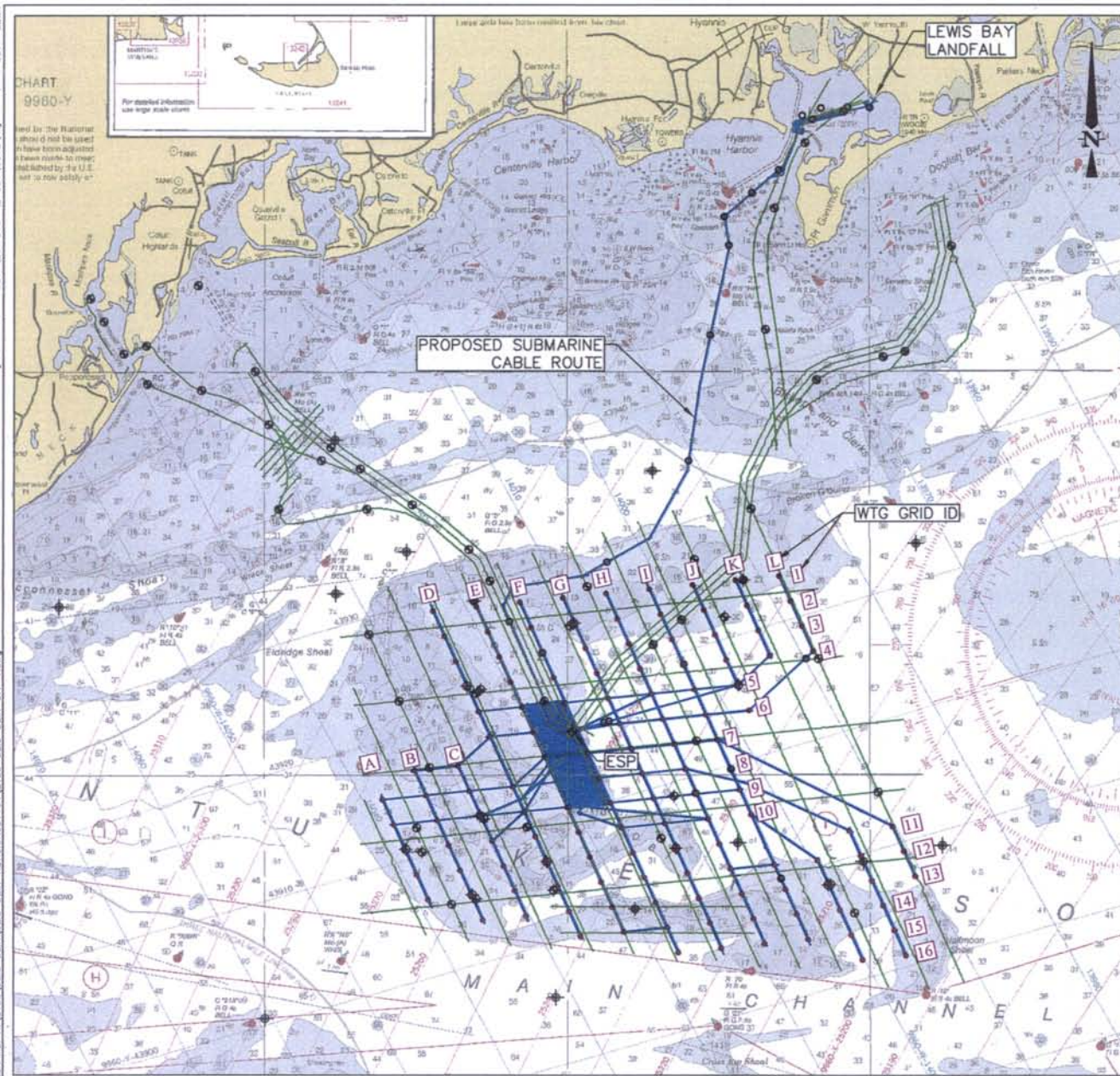


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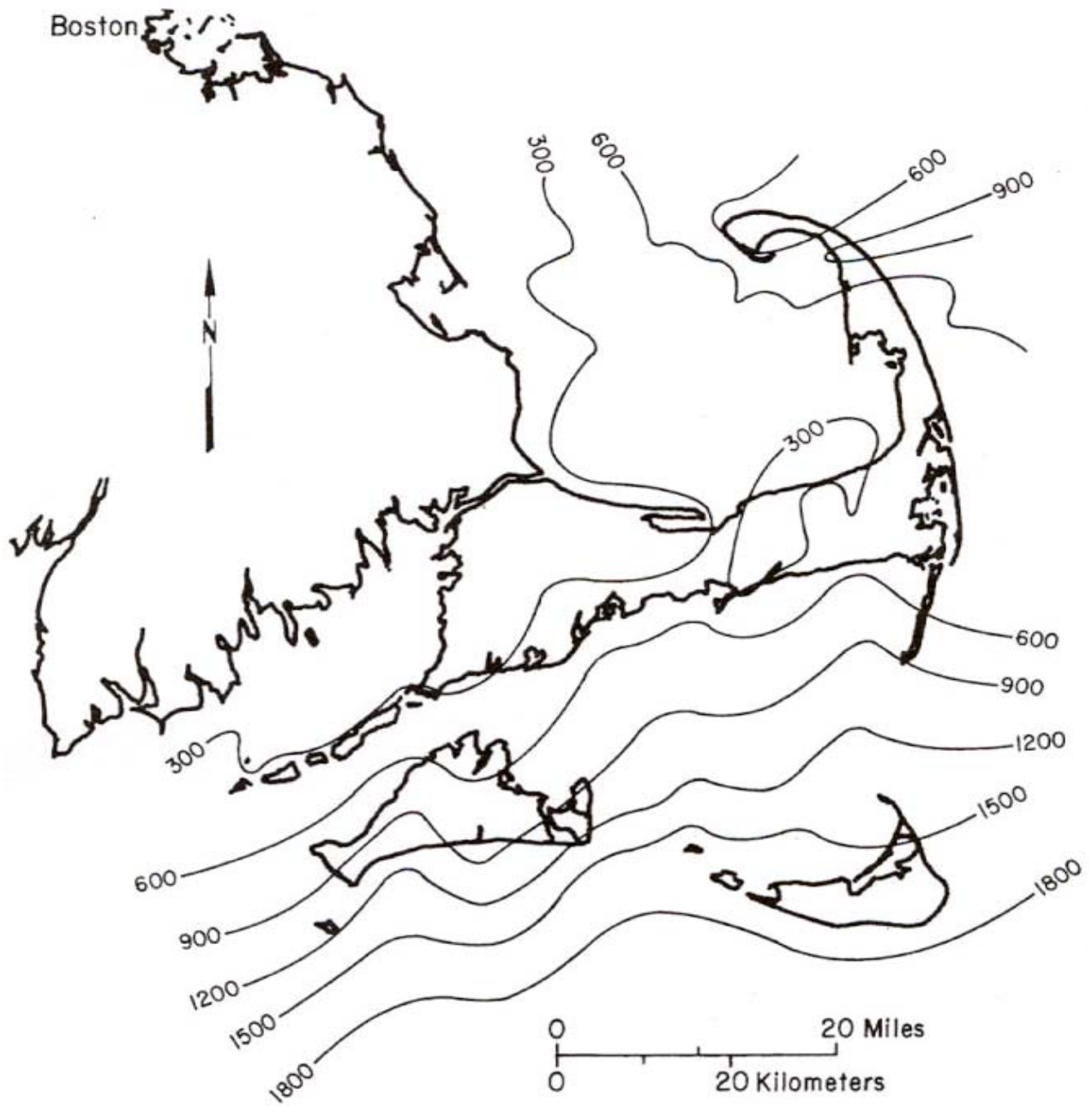
- PROPOSED WTG LOCATION
- PROJECT VIBRACORE/BG GRAB SAMPLE LOCATION, JULY-AUGUST 2001
- ESS VIBRACORES ADVANCED OCTOBER 2003
- GZA BORING ADVANCED APRIL 2002
- GZA BORING ADVANCED AUGUST 2003
- GZA BORING ADVANCED OCTOBER 2003
- USGS VIBRACORES SUMMERS 1976-77
- 2001 SURVEY VESSEL TRACKLINE
- 2003 SURVEY VESSEL TRACKLINE

NOTES:

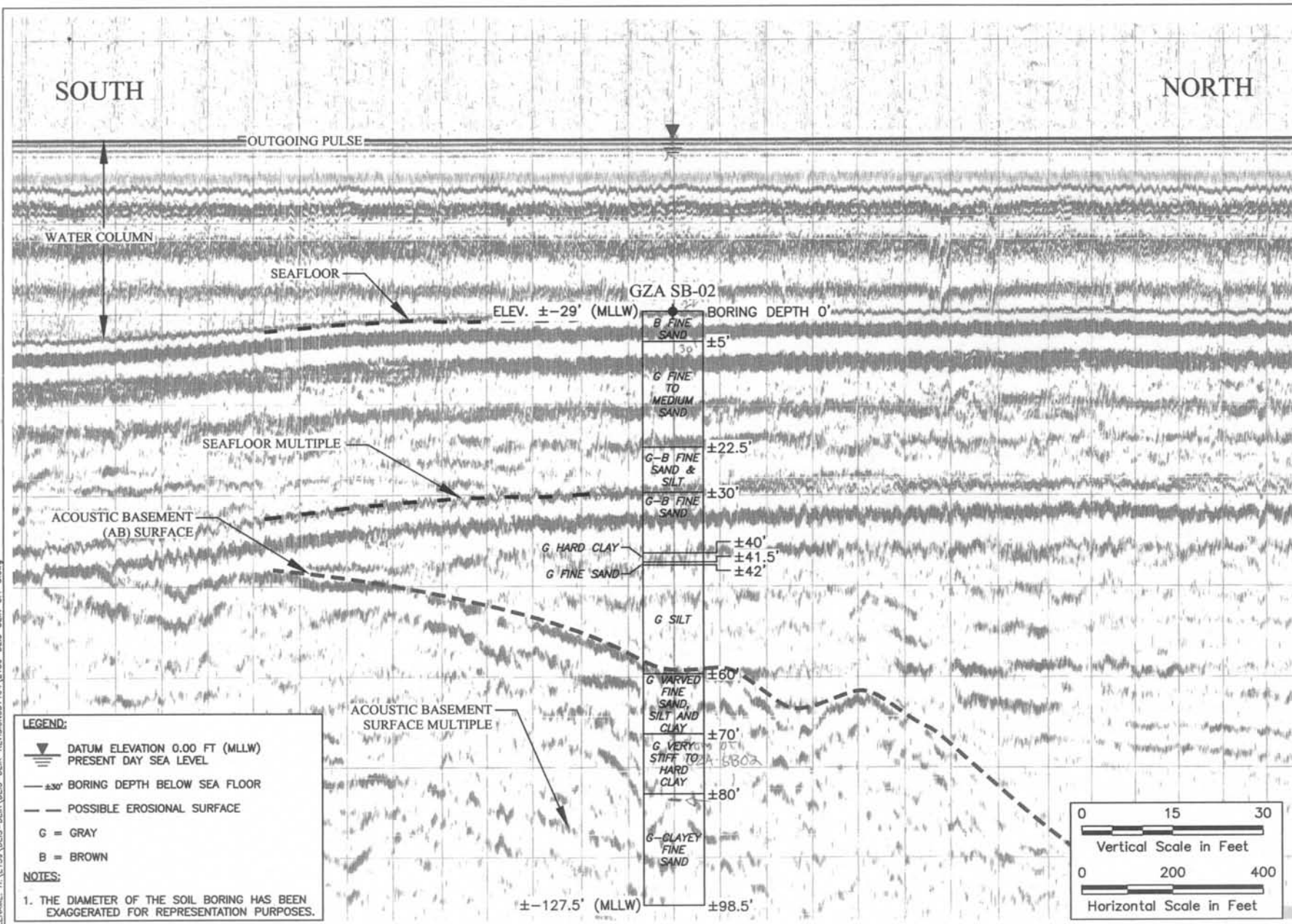
1. GRID SYSTEM IS IN FEET AND IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, ISLAND ZONE (2002), NAD 83.
2. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY OCEAN SURVEYS, INC. ON 25 JUNE-15 JULY, 2001, 14 JUNE-7 JULY, 2003, AND 10 SEPTEMBER-11 SEPTEMBER, 2001 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.

0 8,000 16,000
 SCALE IN FEET

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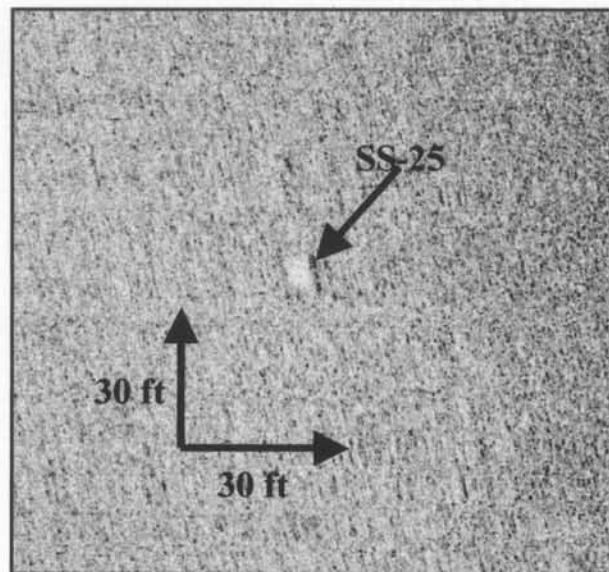
Profile of 2001 Geophysical Trackline G-13 and Boring GZA-SB-02

CAPE WIND PROJECT
 Cape Wind Associates, LLC

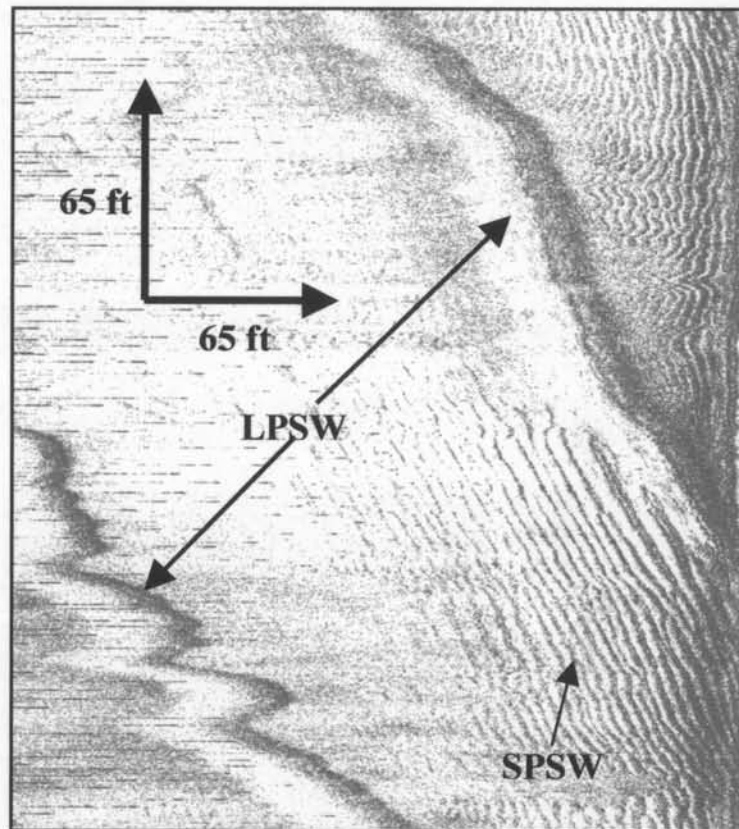
ESS
 Group, Inc.

Engineers
 Scientists
 Consultants

Scale: As Shown



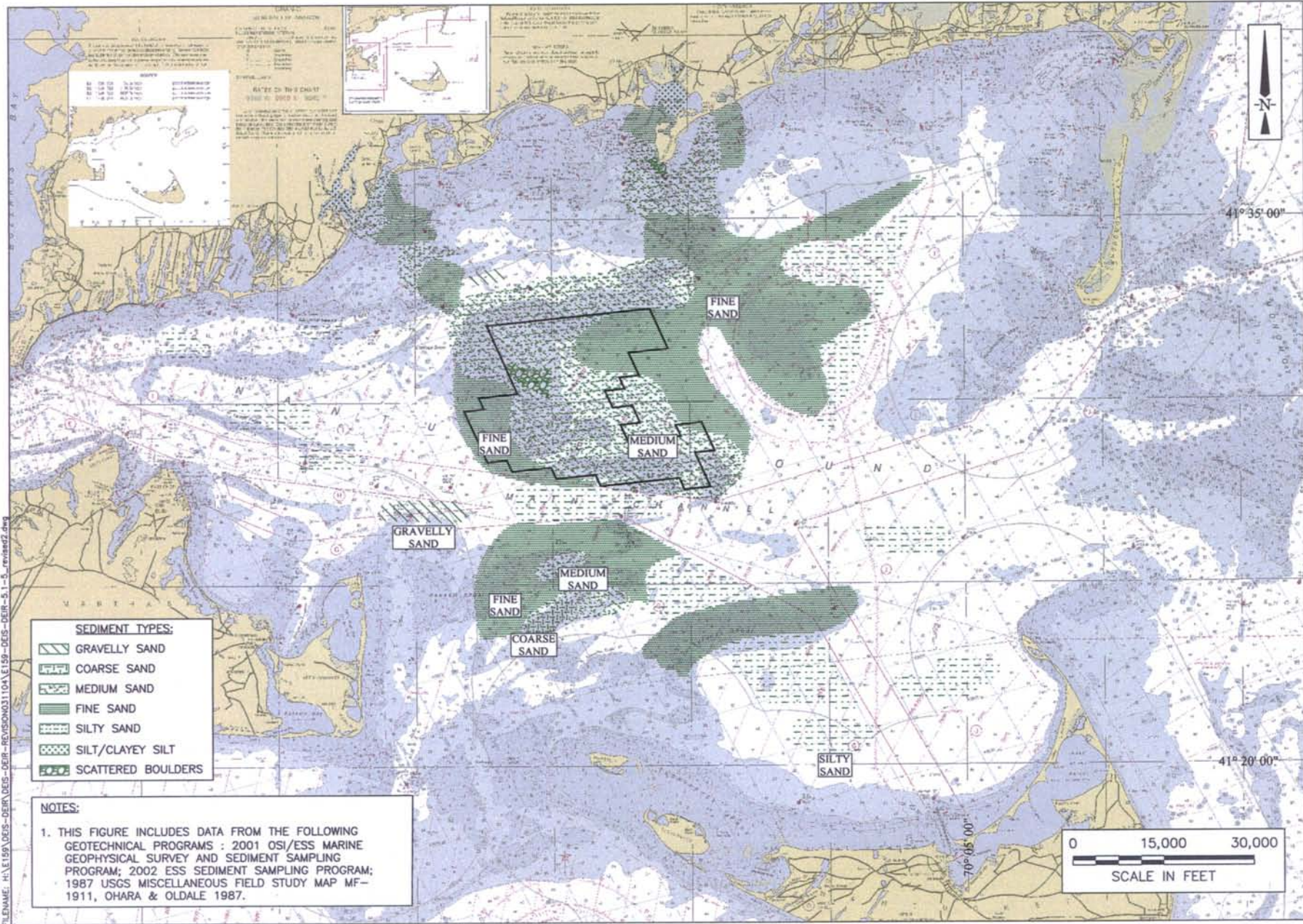
SMALL SIDESCAN TARGET ON SMOOTH SANDY BOTTOM

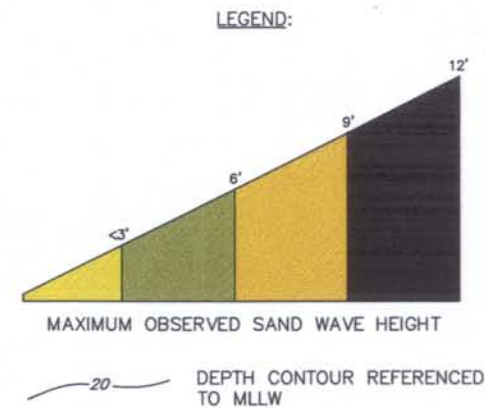
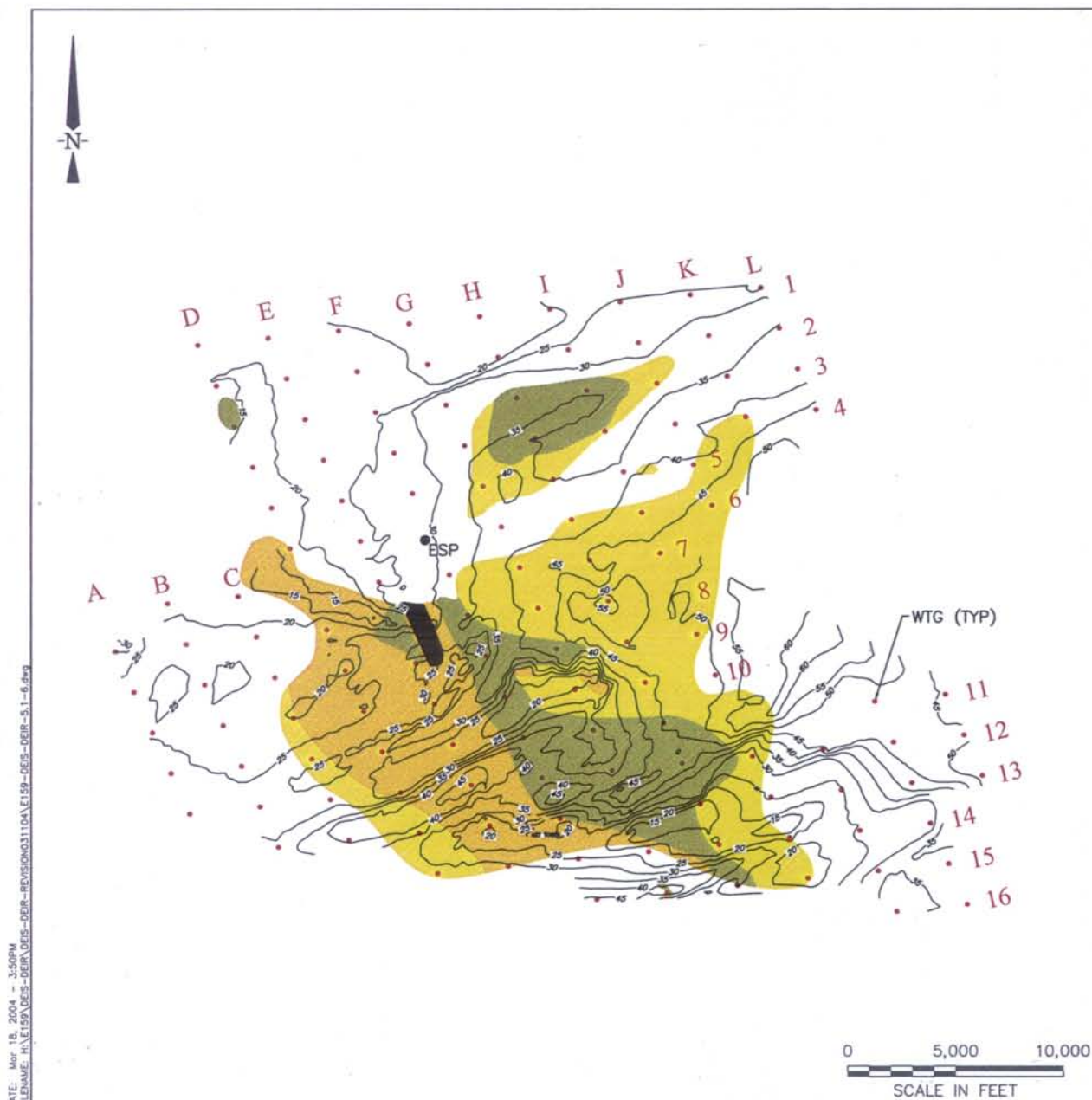


LONG PERIOD SAND WAVE (LPSW) AND
SHORT PERIOD SAND WAVE (SPSW)

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NOTES:

1. GRID SYSTEM IS IN FEET AND IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, ISLAND ZONE (2002), NAD 83.
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER BASED ON NOAA PREDICTED TIDES FOR HYANNIS PORT (STATION ID 1027).
3. CONTOUR INTERVAL IS 5 FEET. CONTOURS WERE COMPUTER GENERATED USING "QUICKSURF" VERSION 5.2 (SCHREIBER INSTRUMENTS, INC.), OPERATING WITH AUTOCAD" VERSION 14 (AUTODESK).
4. SANDWAVE HEIGHTS ARE BASED ON THE ANALYSIS OF HYDROGRAPHIC DATA AND ARE MEASURED FROM WAVE CREST TO WAVE TROUGH. IN AREAS EXHIBITING VARIABLE SAND WAVE HEIGHTS THE MAXIMUM OBSERVED HEIGHT WAS USED FOR MAPPING. ADDITIONAL INFORMATION REGARDING THE INTERPRETATION PRESENTED CAN BE FOUND IN OSI REPORT NO. 03ES039.
5. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. ON 15 JUNE-7JULY 2003 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.

Figure 5.3-1: Total annual shellfish landings in Nantucket Sound from 1994 through 2001 (Source: NMFS vessel trip report data, Sub-area 075, Nantucket Sound)

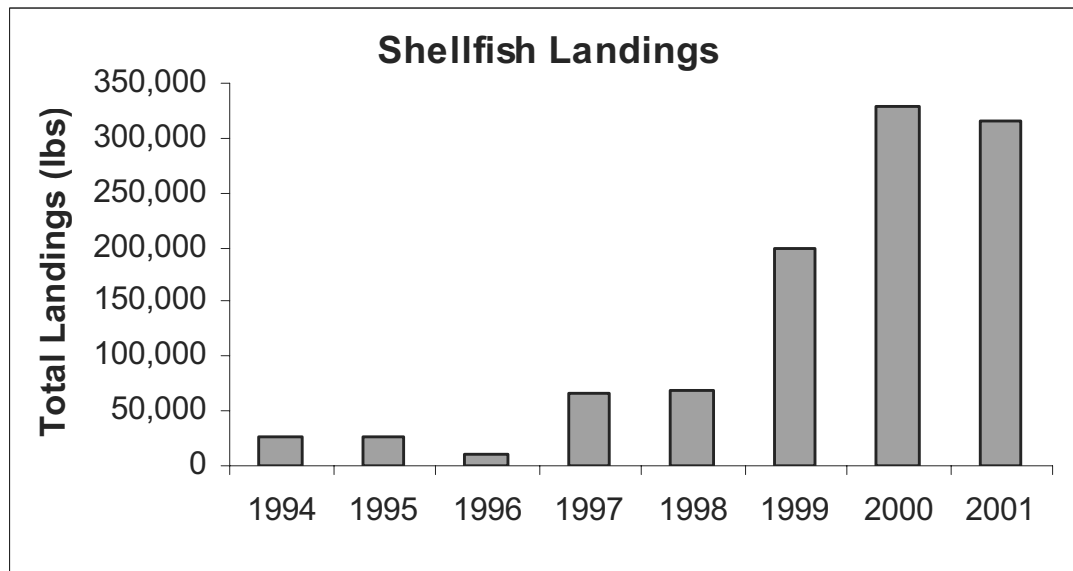


Figure 5.3-2. Total annual conch landings from fish pots in Nantucket Sound (Source: MDMF data for Area 10, Nantucket Sound))

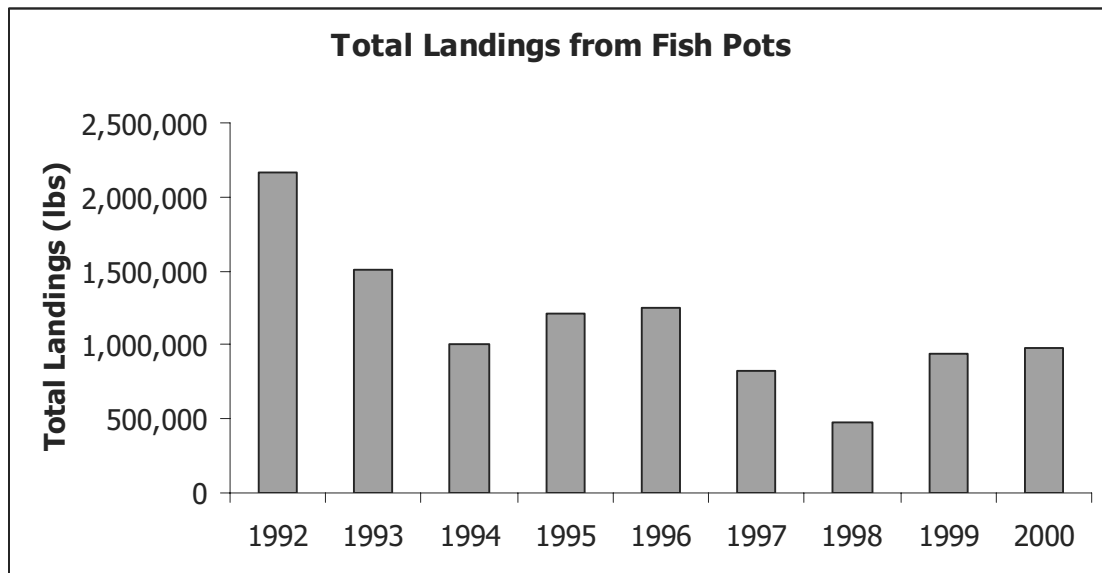


Figure 5.3-3: Total annual shellfish landings in Nantucket Sound from 1990 through 2000 (Source: MDMF data for Area 10, Nantucket Sound)

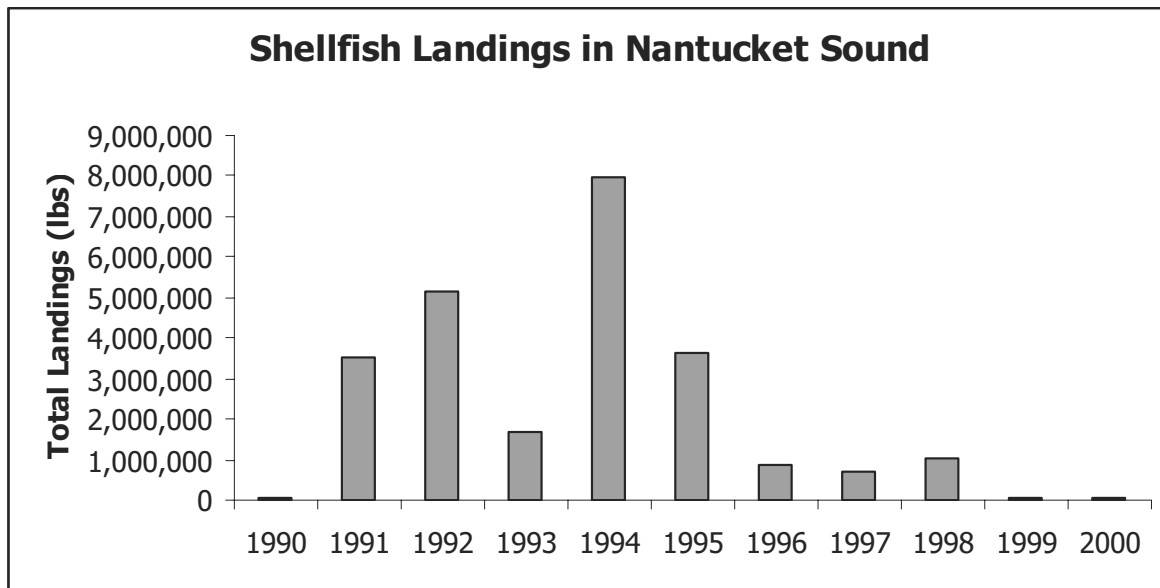


Figure 5.3-4: Total annual lobster landings from Nantucket Sound from 1990 through 2000 (Source: MDMF data for Area 10, Nantucket Sound)

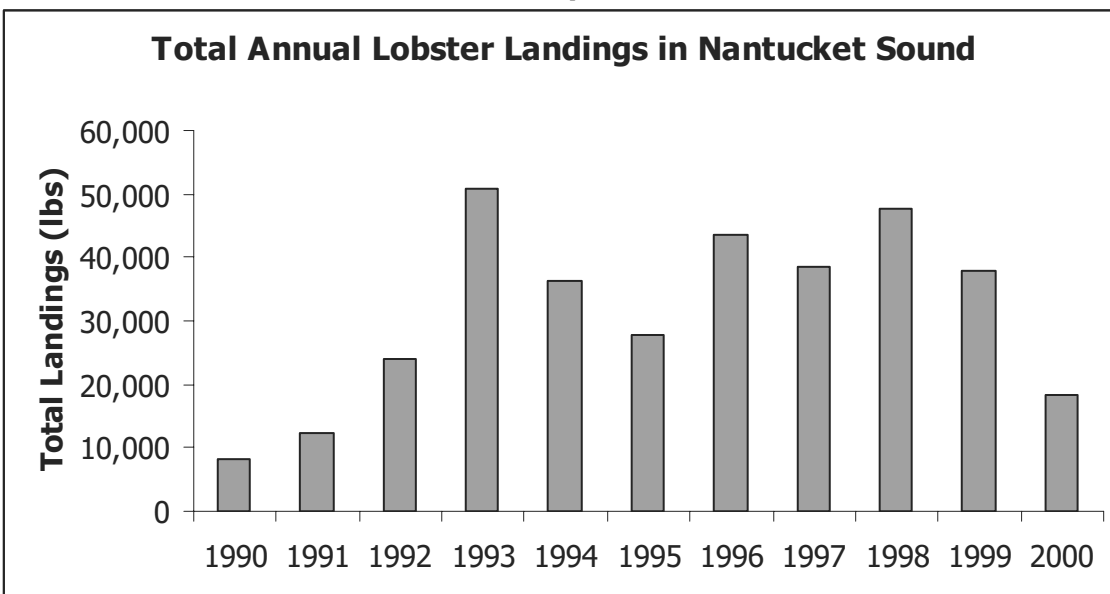
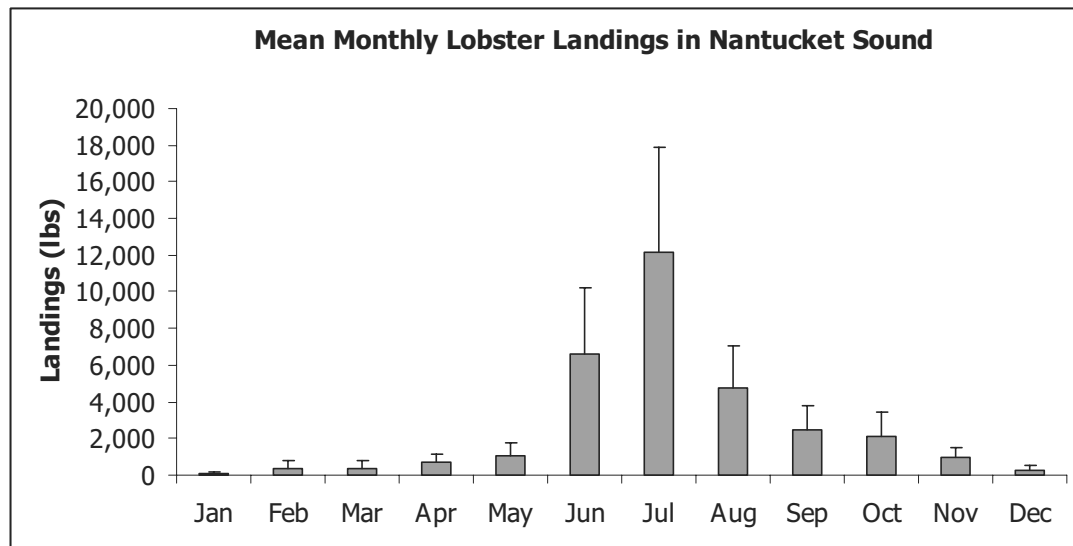
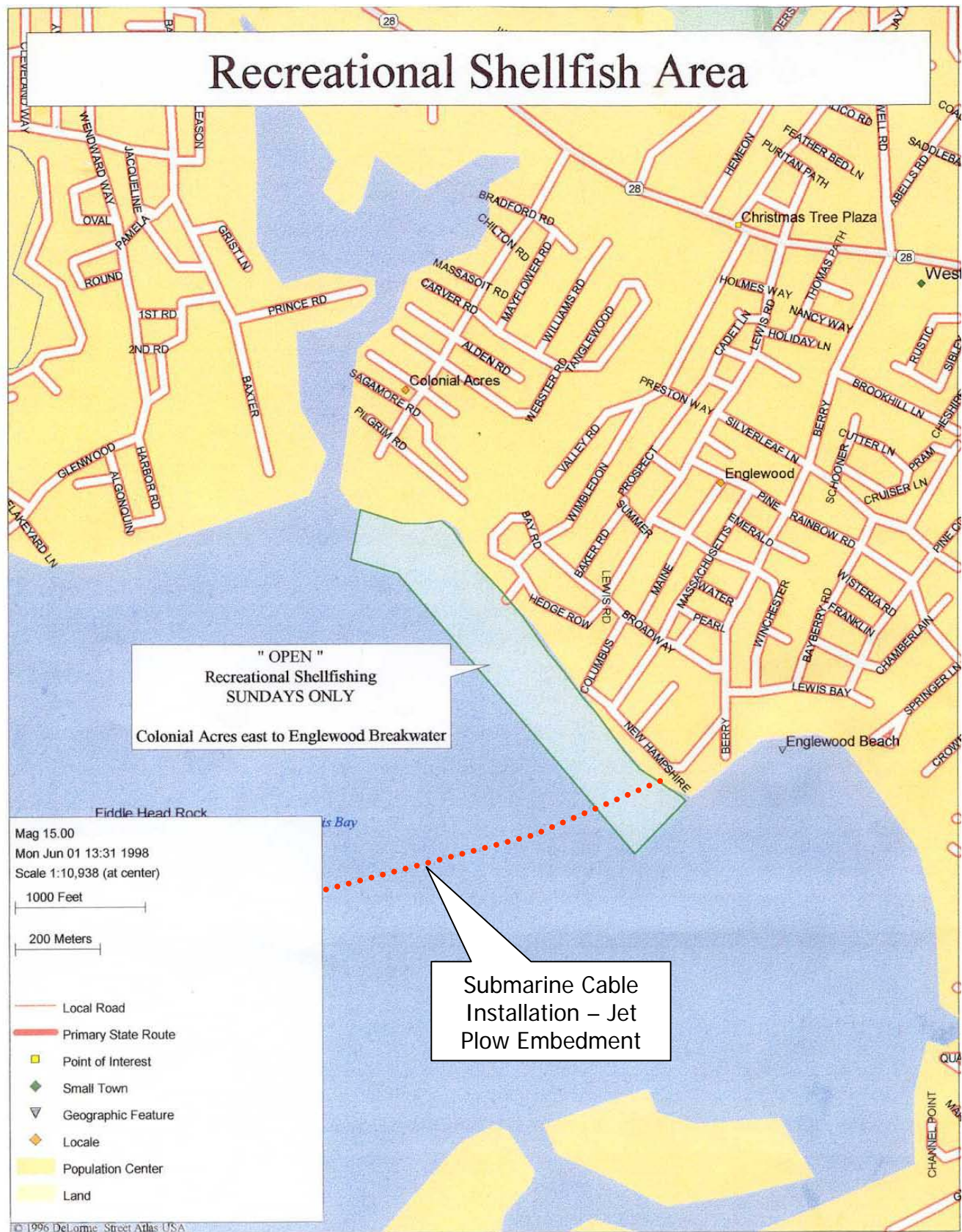


Figure 5.3-5: Mean monthly lobster landings from Nantucket Sound from 1990 through 2000
(Source: MDMF data for Area 10, Nantucket Sound)



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Recreational Shellfish Area (Sunday)



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Town of Yarmouth "Aquaculture Lease Sites"

Submarine Cable Installation – Jet Plow Embedment

Marinotech, Inc.
Jeff Vaughan
3.0 ac.
Grant I-98B

Nordic Shellfish Farm, Inc.
5.05 ac.
Grant I-88

Morgell Aquaculture Farm
Niel Morris
3.0 ac.
Grant I-98A

Dunbar's Aqua Farms
Michael Dunbar
3.0 ac.
Grant I-01

Yarmouth Oyster Farm, Inc.
Greg Walinski
10.0 ac.
Grant I-85

Great Island Oyster Co.
Rulon Wilcox
2.50 ac.
Grant I-82

Great Island Oyster Co.
Rulon Wilcox
4.75 ac.
Grant I-82

Yarmouth Oyster Farm, Inc.
Greg Walinski
3.30 ac.
Grant I-87



Figure 5.4-1: Mean CPUE across years for Horseshoe Shoal, Monomoy-Handkerchief Shoal and Tuckernuck Shoal for the fall and spring trawl surveys (Source: MDMF bi-annual trawl survey data)

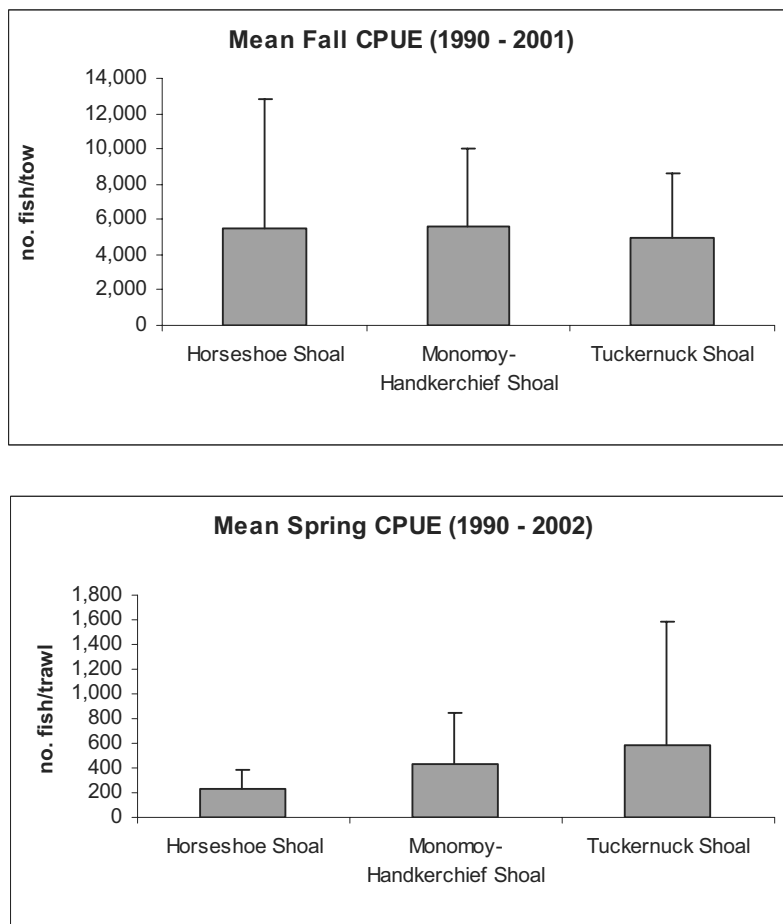


Figure 5.4-2: Commercial landings of finfish and squid from 1994 through 2001 as reported from NMFS vessel trip reports for statistical sub-area 075 (Source: NMFS data for sub-area 075)

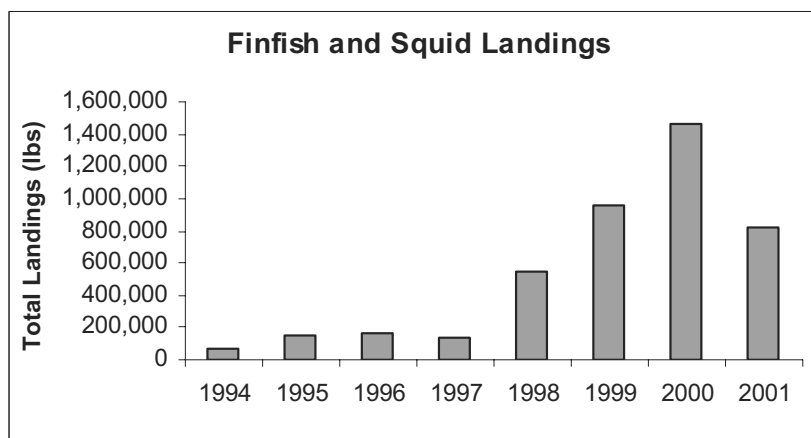


Figure 5.4-3: Average annual landings (pounds) of top 10 species of finfish and squid from 1994 through 2001 as reported from NMFS vessel trip reports for statistical sub-area 075 (Source: NMFS data for sub-area 075)

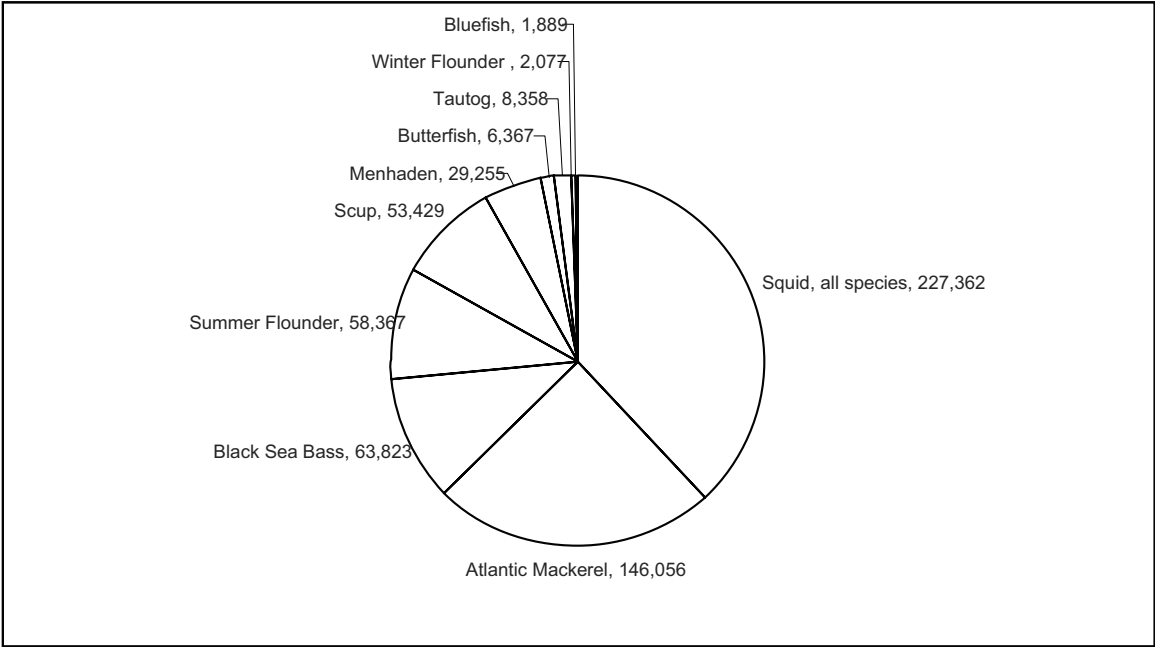


Figure 5.4-4: Total landings from fish weirs in Nantucket Sound from 1990 through 2000 (Source: MDMF data for Area 10, Nantucket Sound)

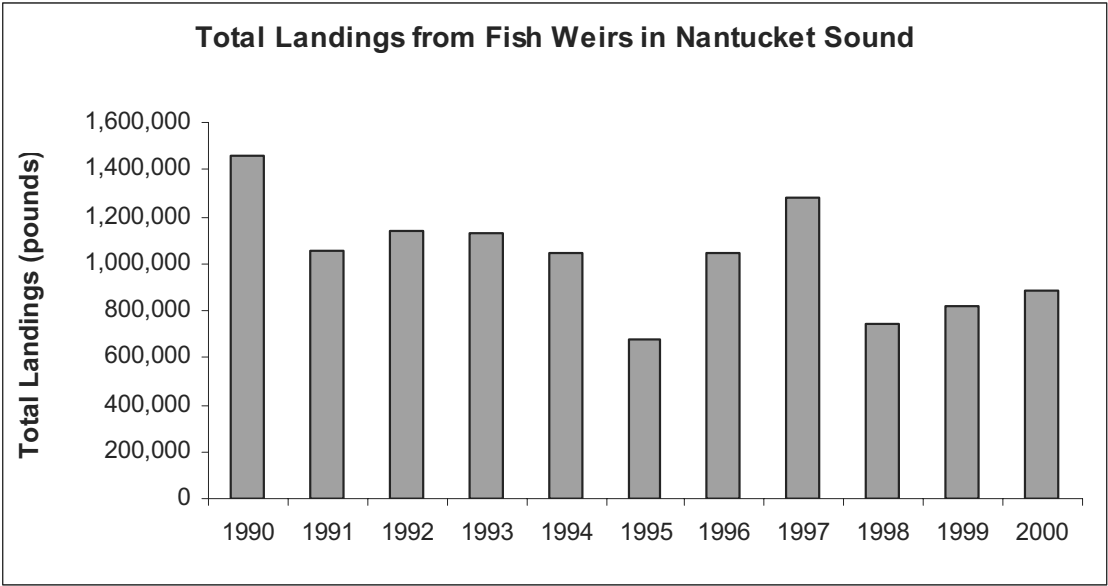


Figure 5.4-5: Total landings from gill nets in Nantucket Sound for years gill nets were fished within the Sound (Source: MDMF data for Area 10, Nantucket Sound)

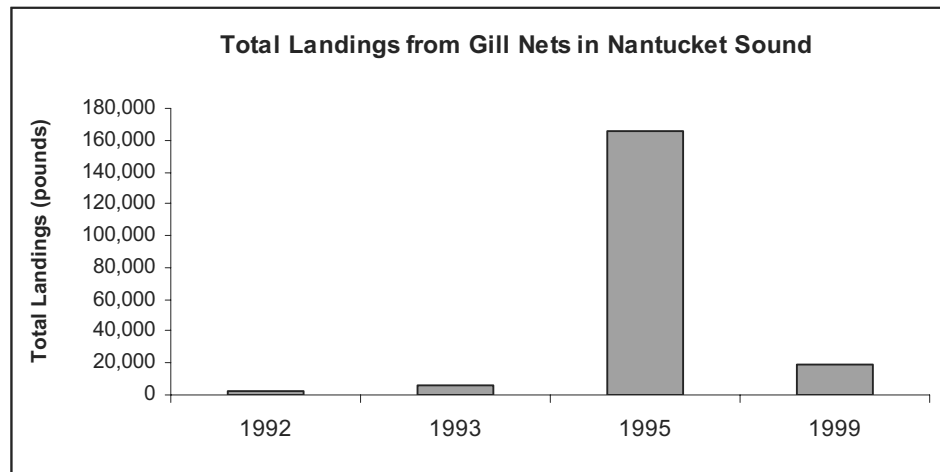


Figure 5.4-6: Total sea bass and scup landings from fish pots in Nantucket Sound (Source: MDMF data for Area 10, Nantucket Sound)

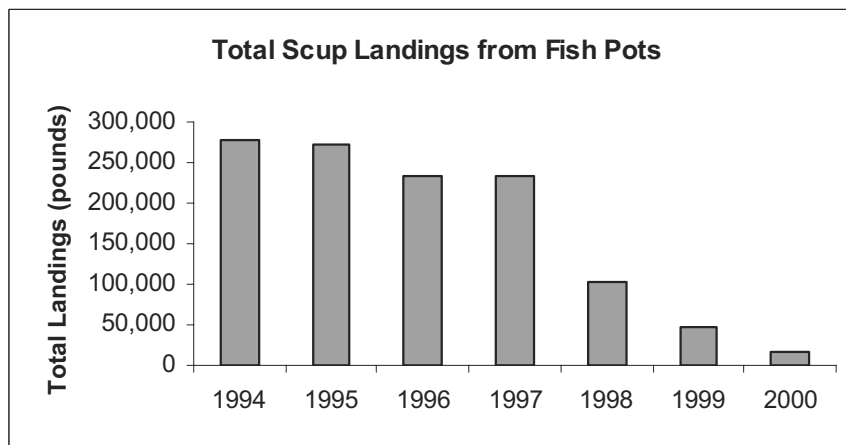
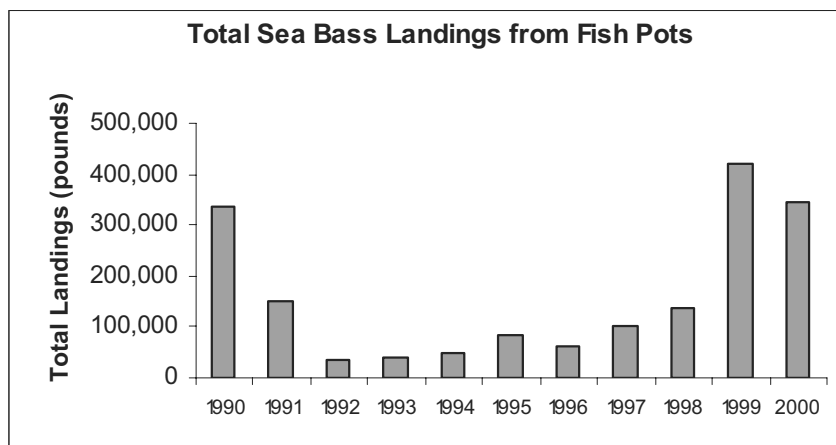


Figure 5.4-7: Mean monthly striped bass landings from Nantucket Sound from 1990 through 2000
(Source: MDMF data for Area 10, Nantucket Sound)

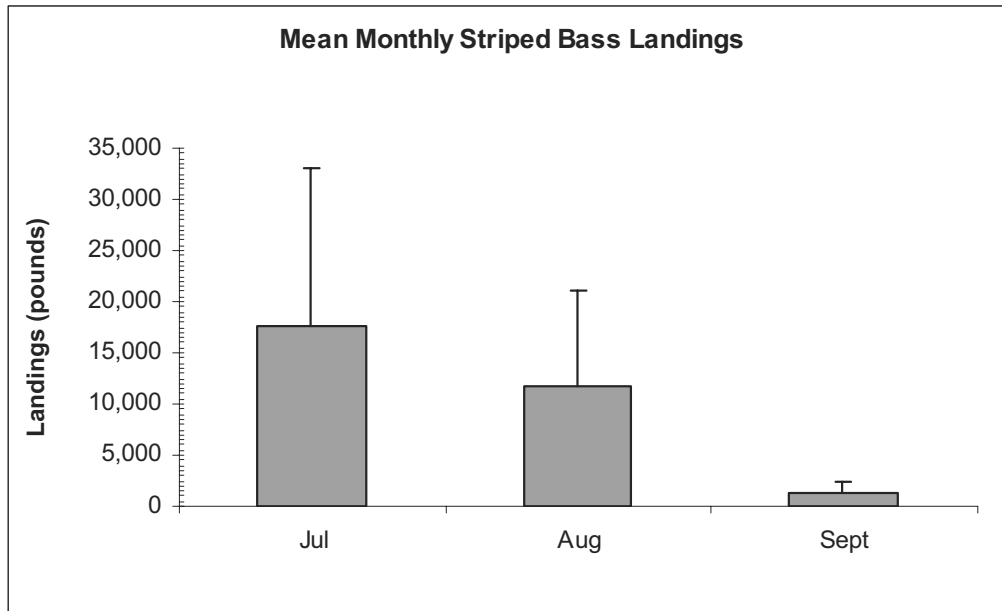


Figure 5.4-8: Total annual striped bass landings from Nantucket Sound from 1990 through 2000
(Source: MDMF data for Area 10, Nantucket Sound)

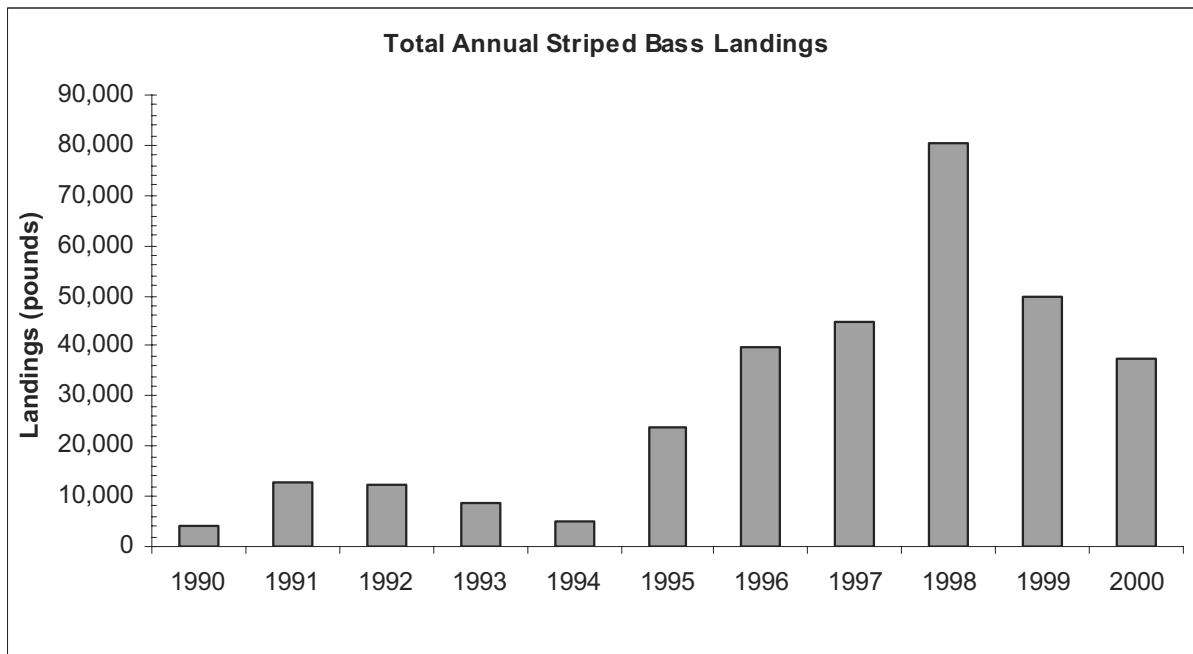


Figure 5.4-9: Mean number of hours fished by wave as reported by recreational anglers in Dukes, Barnstable and Nantucket counties from 1990 through 2001 (Source: NMFS MRFSS data from March – December 1990 through 2001)

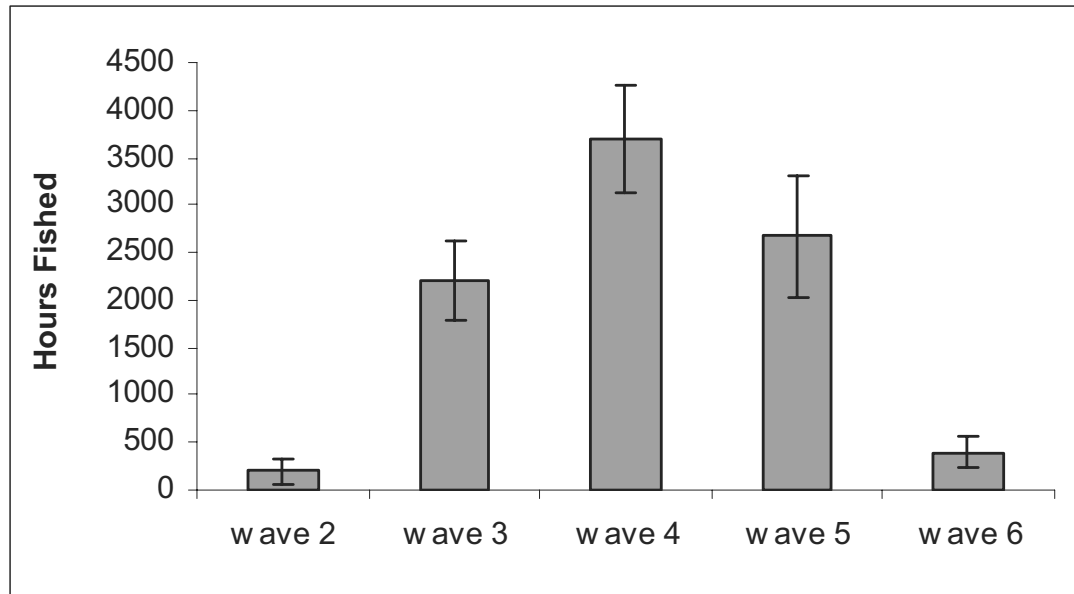


Figure 5.4-10: Mean number of hours fished by individual anglers calculated from all surveys conducted in Dukes, Barnstable and Nantucket counties (Source: NMFS MRFSS data from 1990 through 2001)

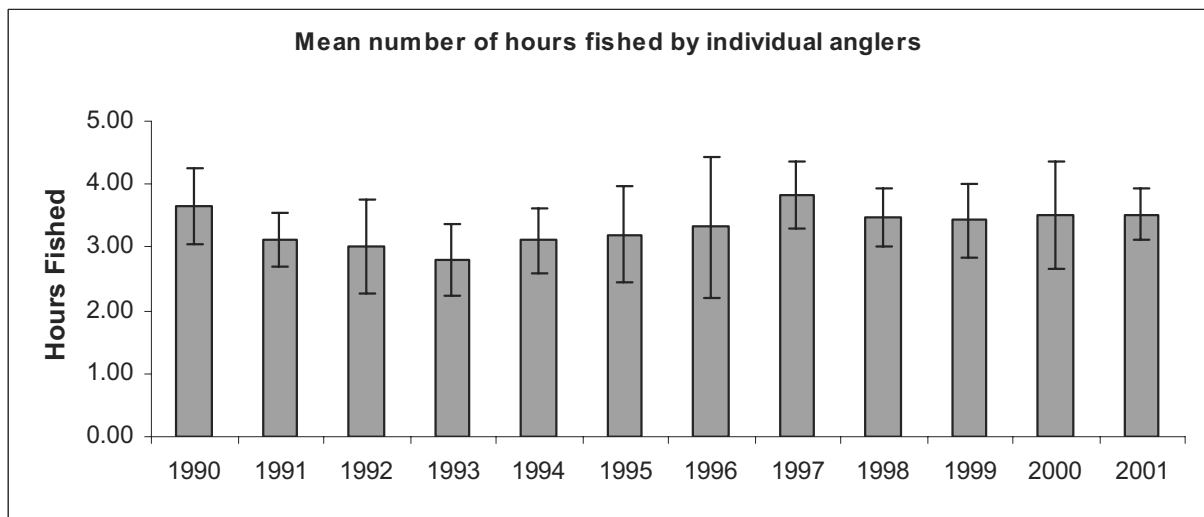


Figure 5.4-11: Percent of anglers reporting mode of fishing as shore, party/charter boat, or private/rental boat from surveys conducted from 1990 through 2001 in Dukes, Barnstable and Nantucket counties (Source: NMFS MRFSS data from 1990 through 2001)

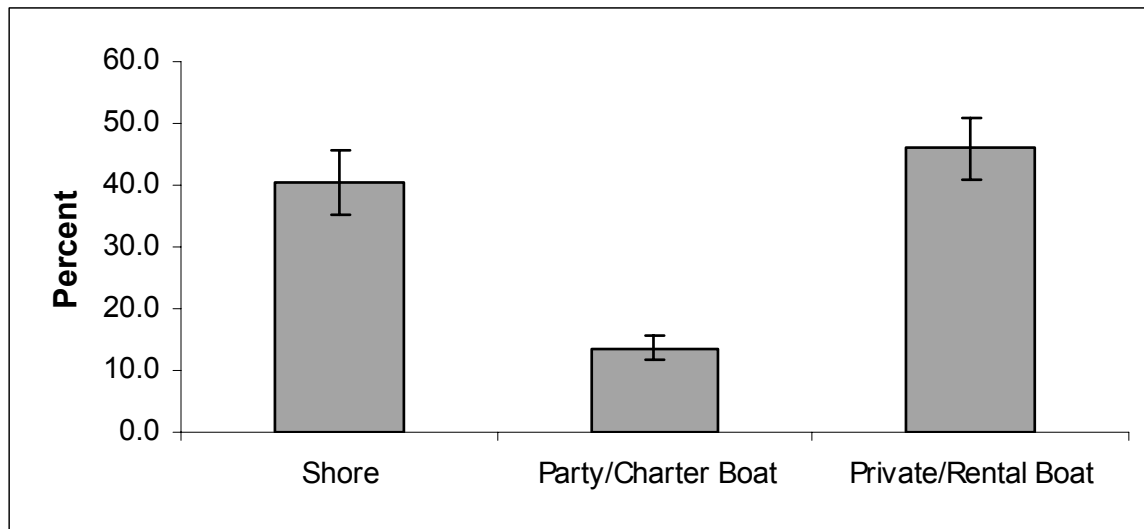
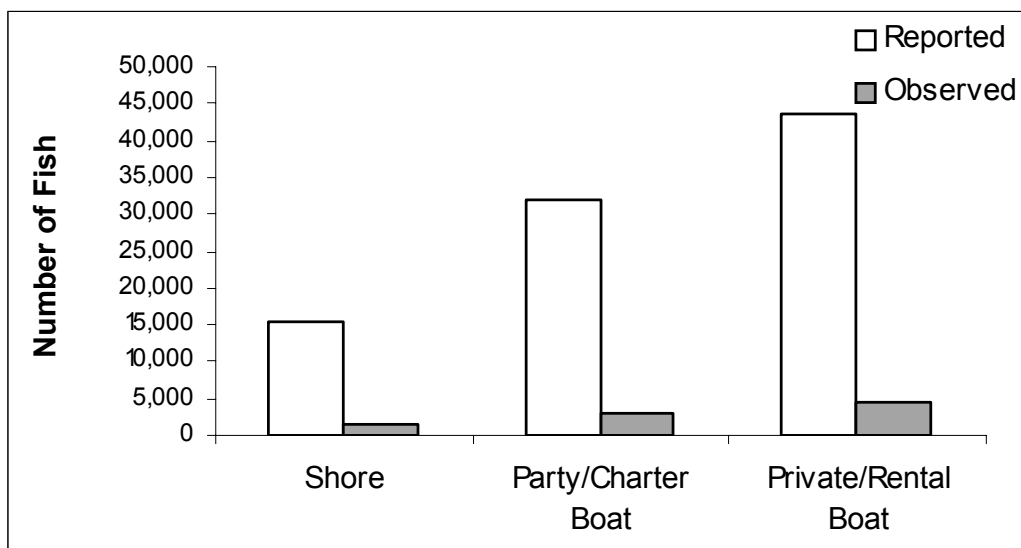
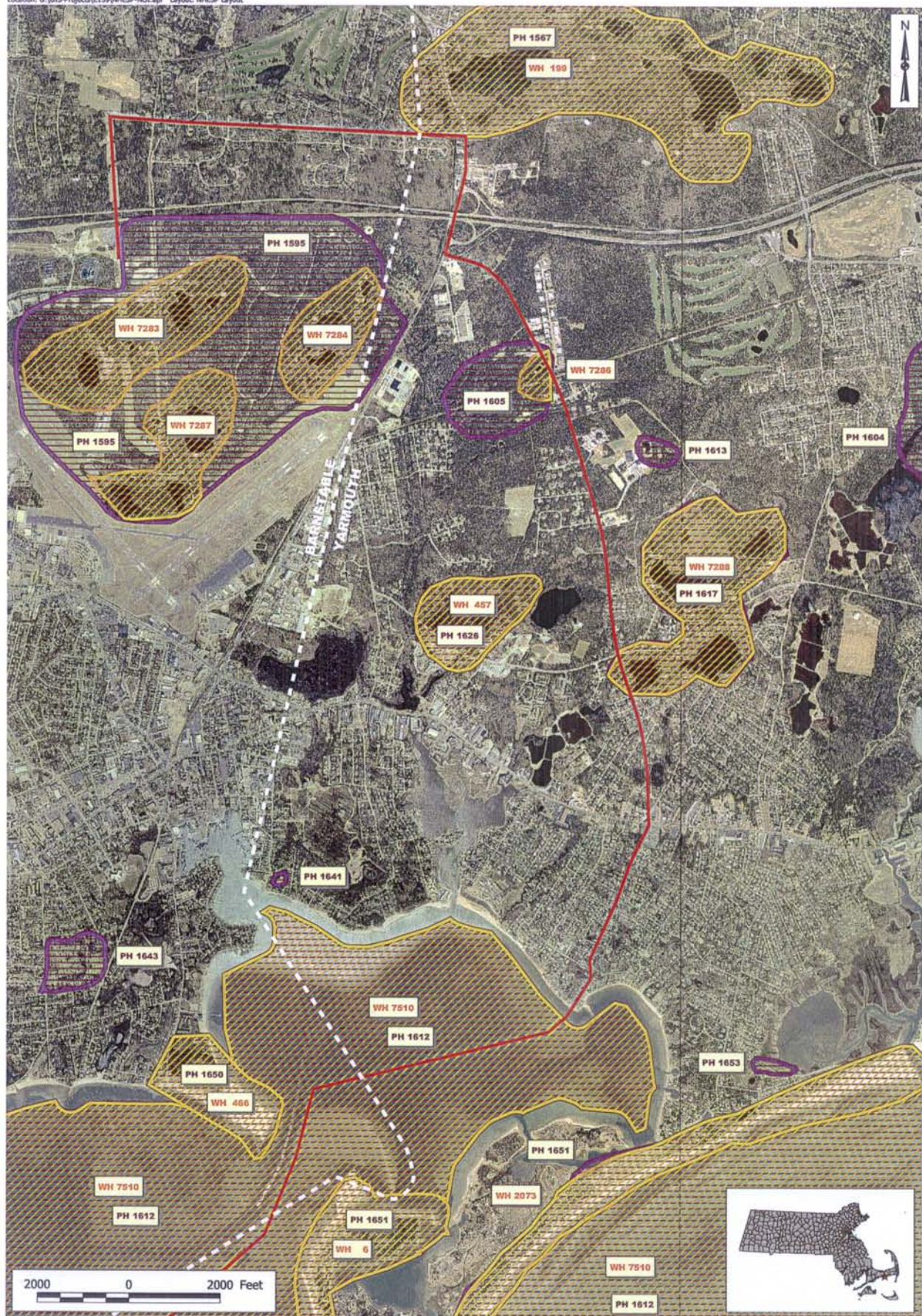


Figure 5.4-12: Total number of fish reported by anglers and observed by interviewers by fishing mode in Dukes, Barnstable and Nantucket counties from 1990 through 2001 (Source: NMFS MRFSS data from 1990 through 2001)





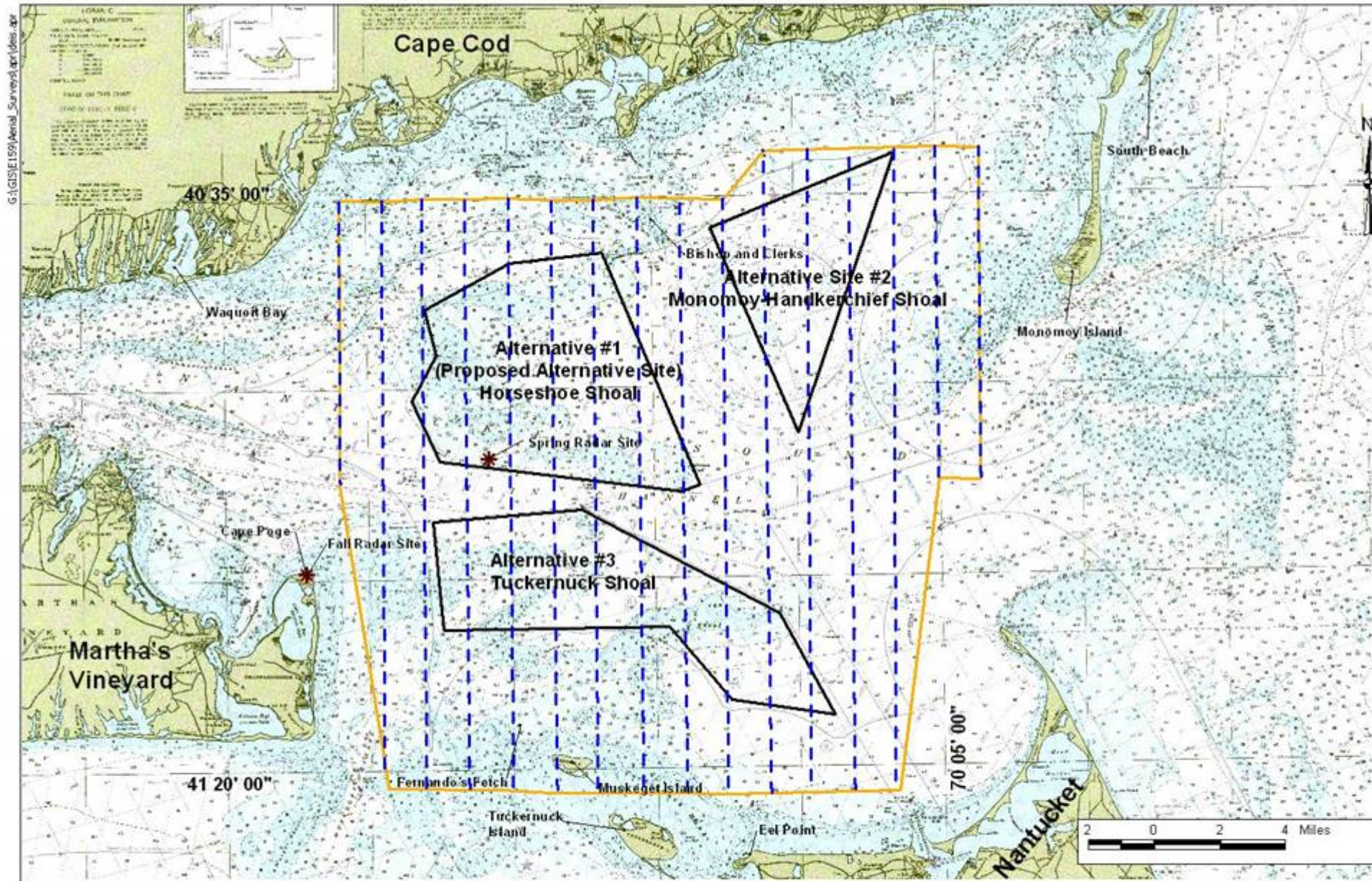


Figure 5.7-2 Individual Loons per Square Kilometer for Aerial Surveys March 2002 - February 2004

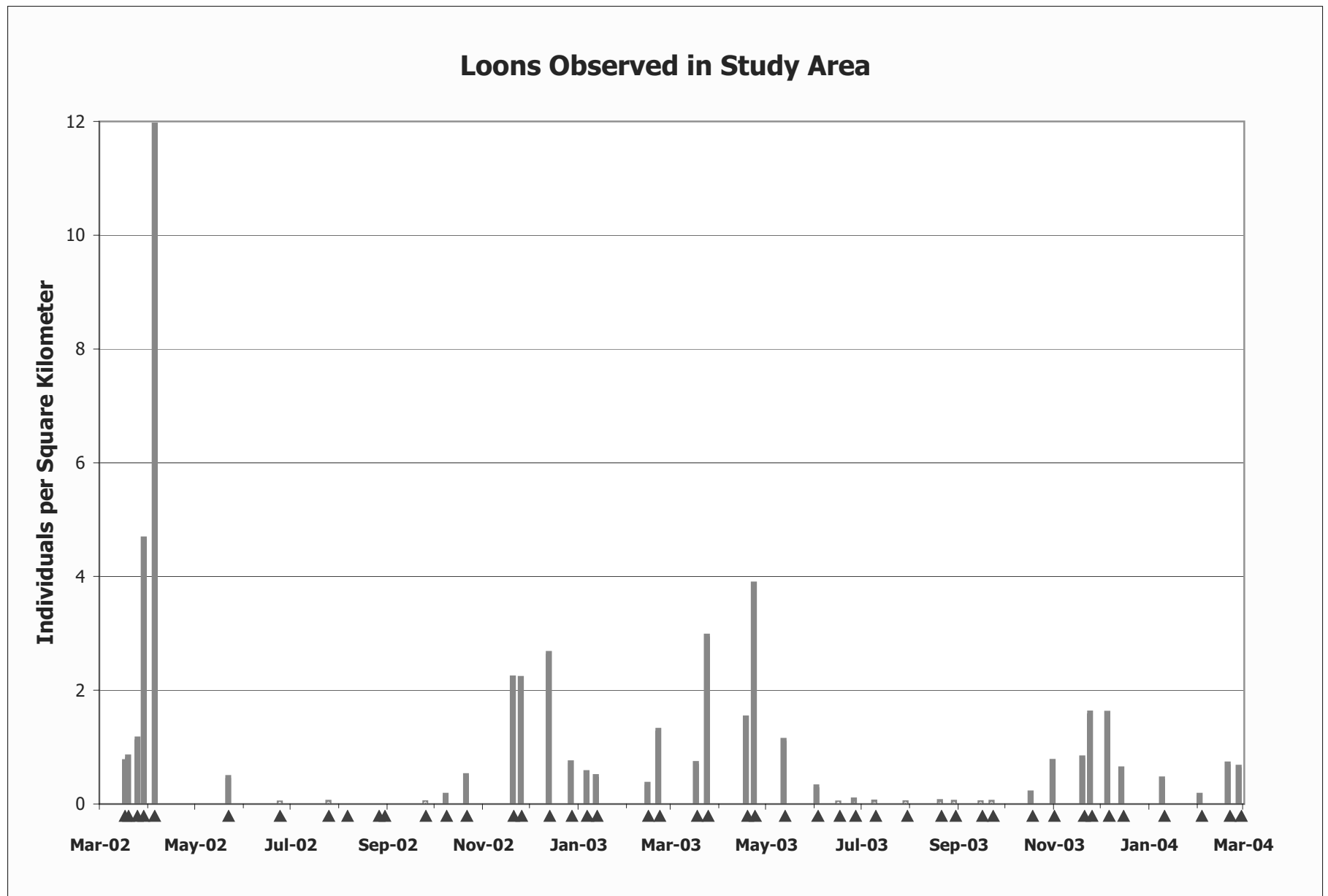


Figure 5.7-3 Individual Grebes per Square Kilometer for Aerial Surveys March 2002 - February 2004

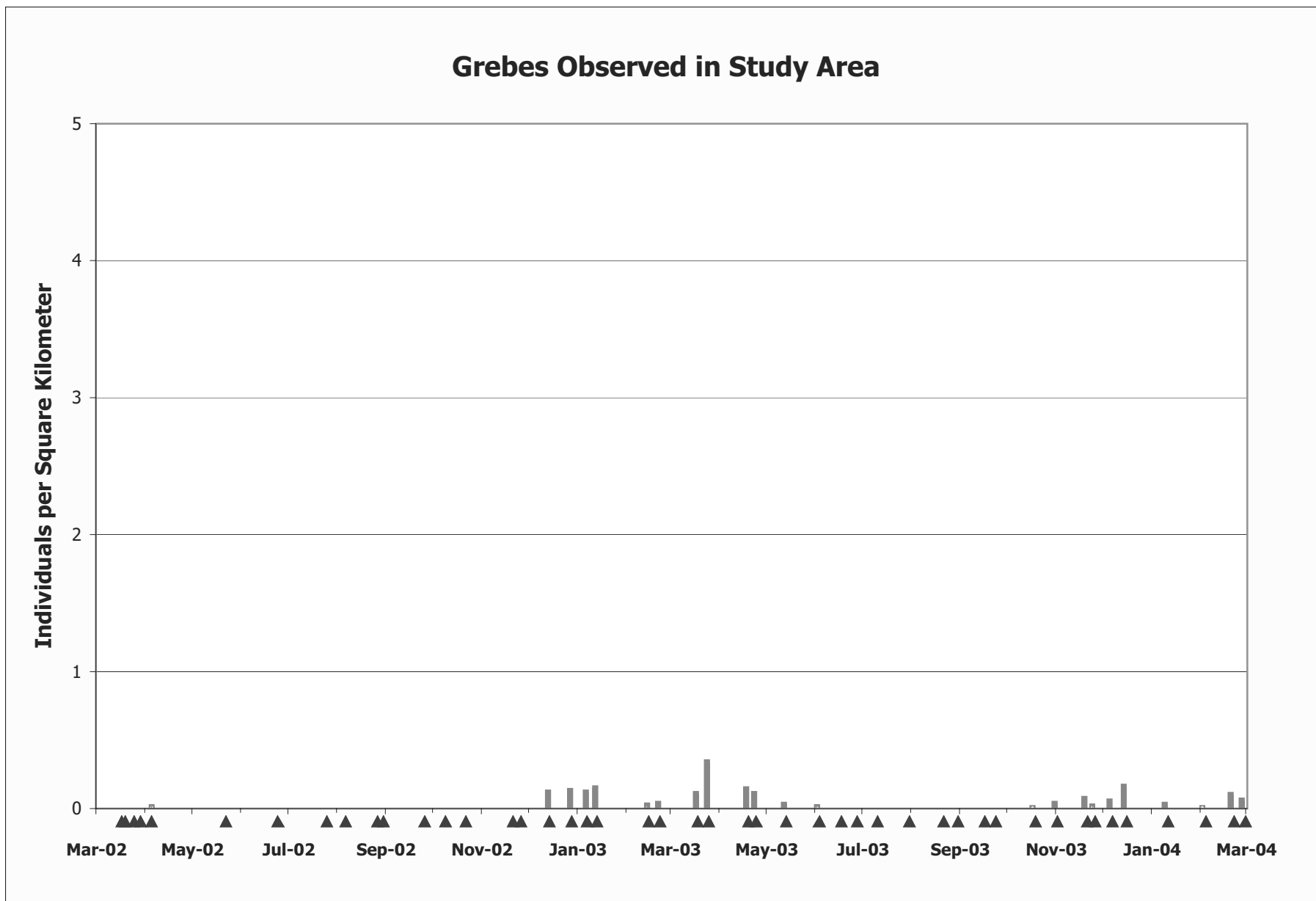


Figure 5.7-4 Individual Wilson's Storm-Petrels per Square Kilometer for Aerial Surveys March 2002 - February 2004

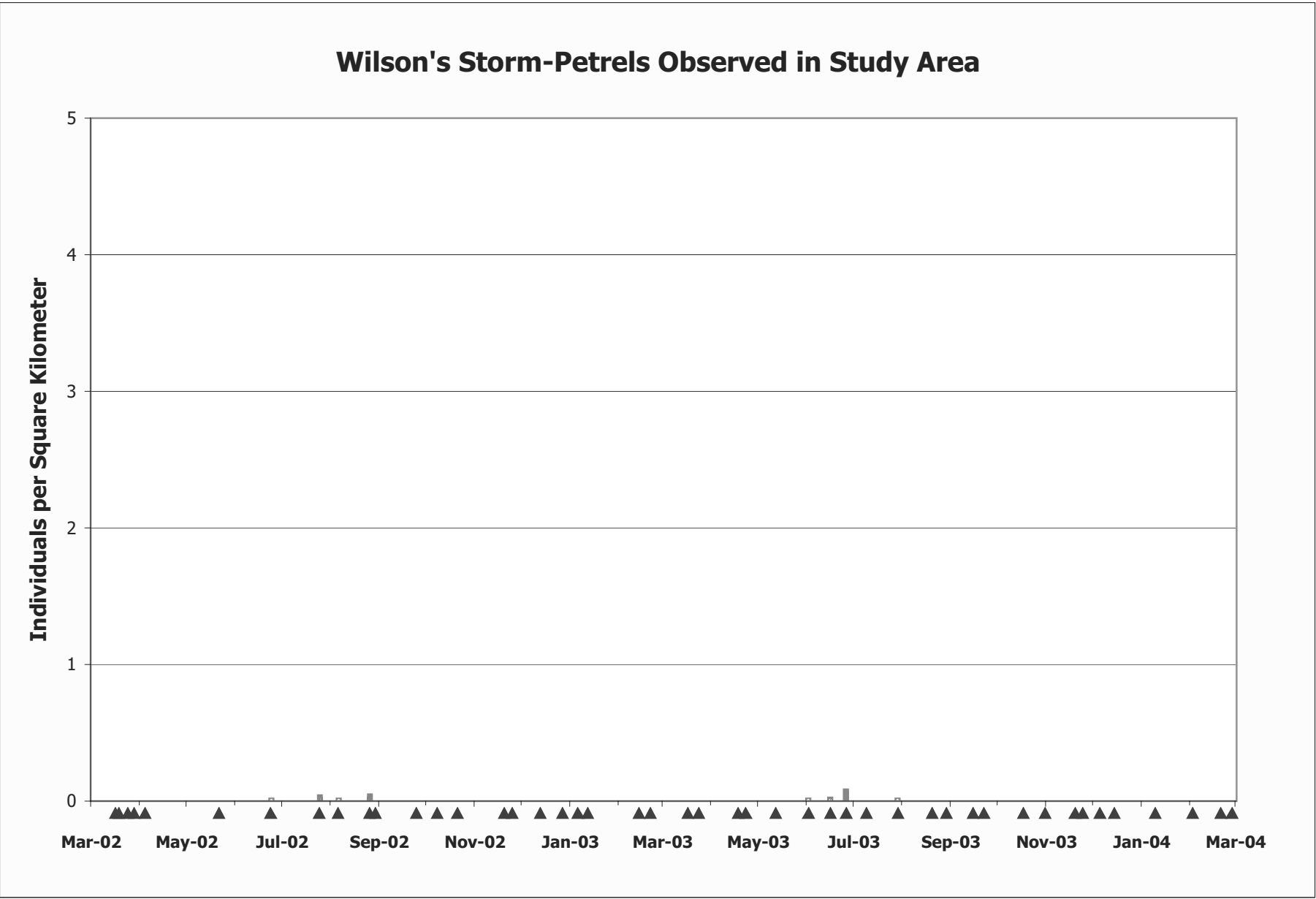


Figure 5.7-5 Individual Gannetts per Square Kilometer for Aerial Surveys March 2002 - February 2004

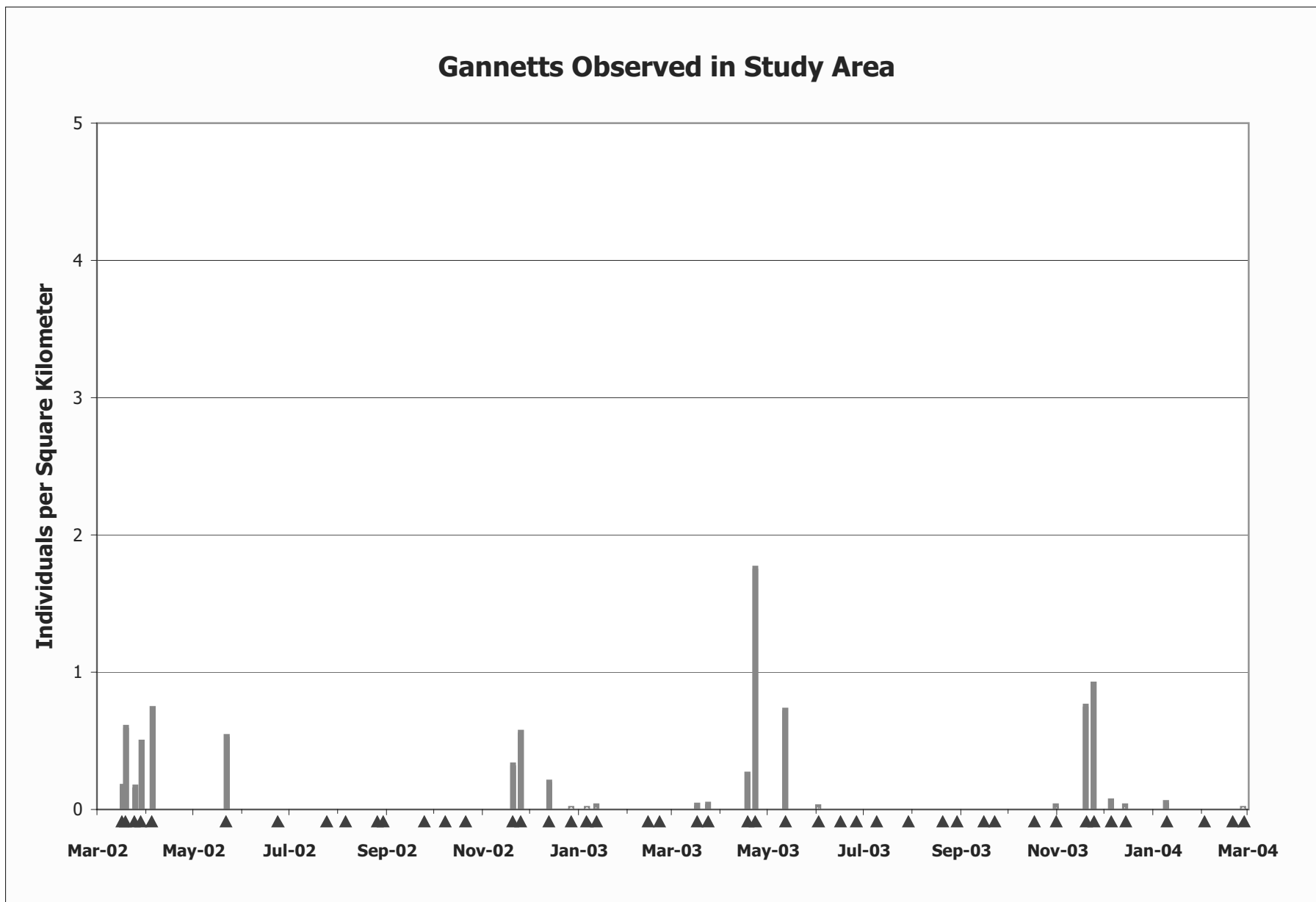


Figure 5.7-6 Individual Cormorants per Square Kilometer for Aerial Surveys March 2002 - February 2004

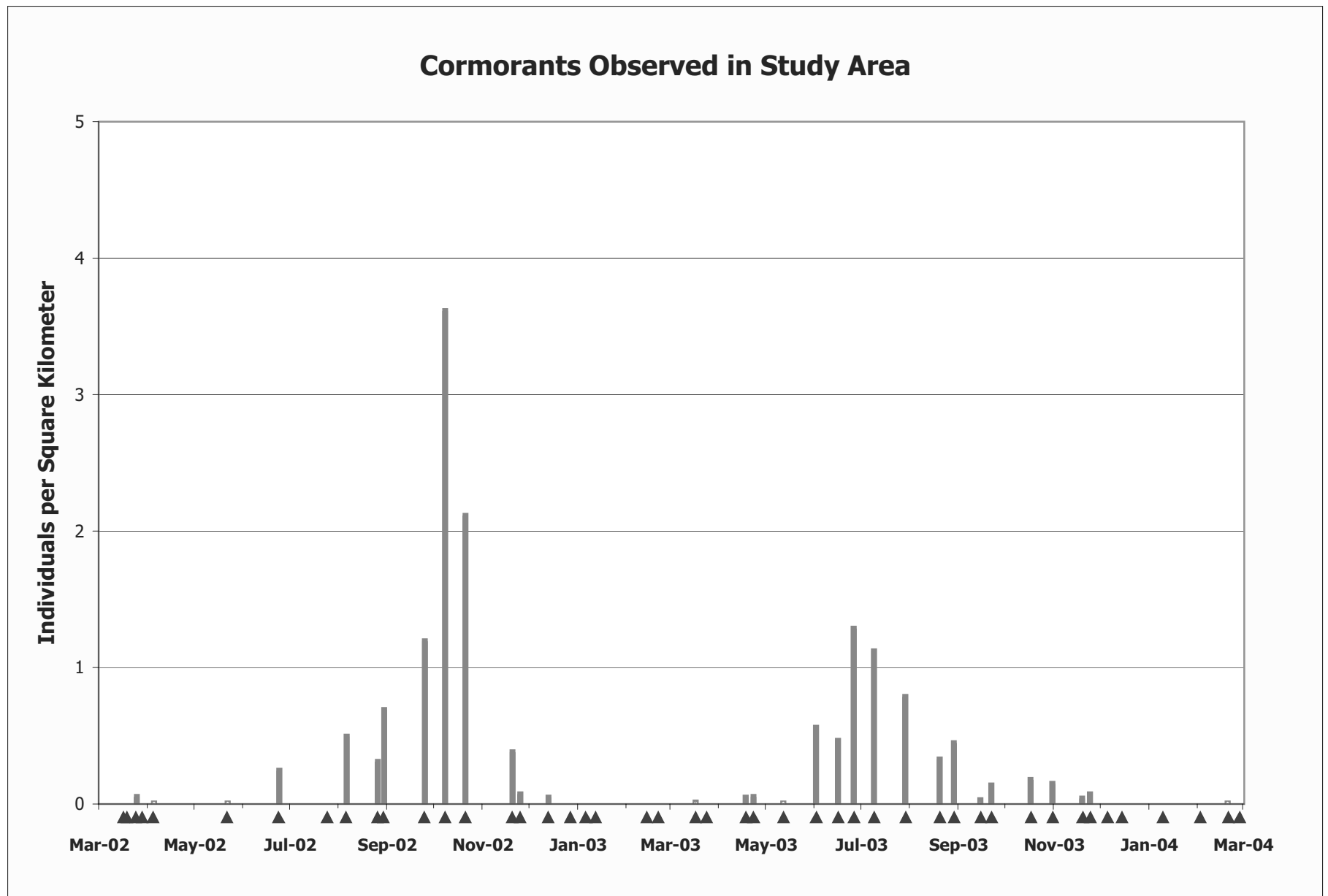


Figure 5.7-7 Individual Eiders per Square Kilometer for Aerial Surveys March 2002 - February 2004

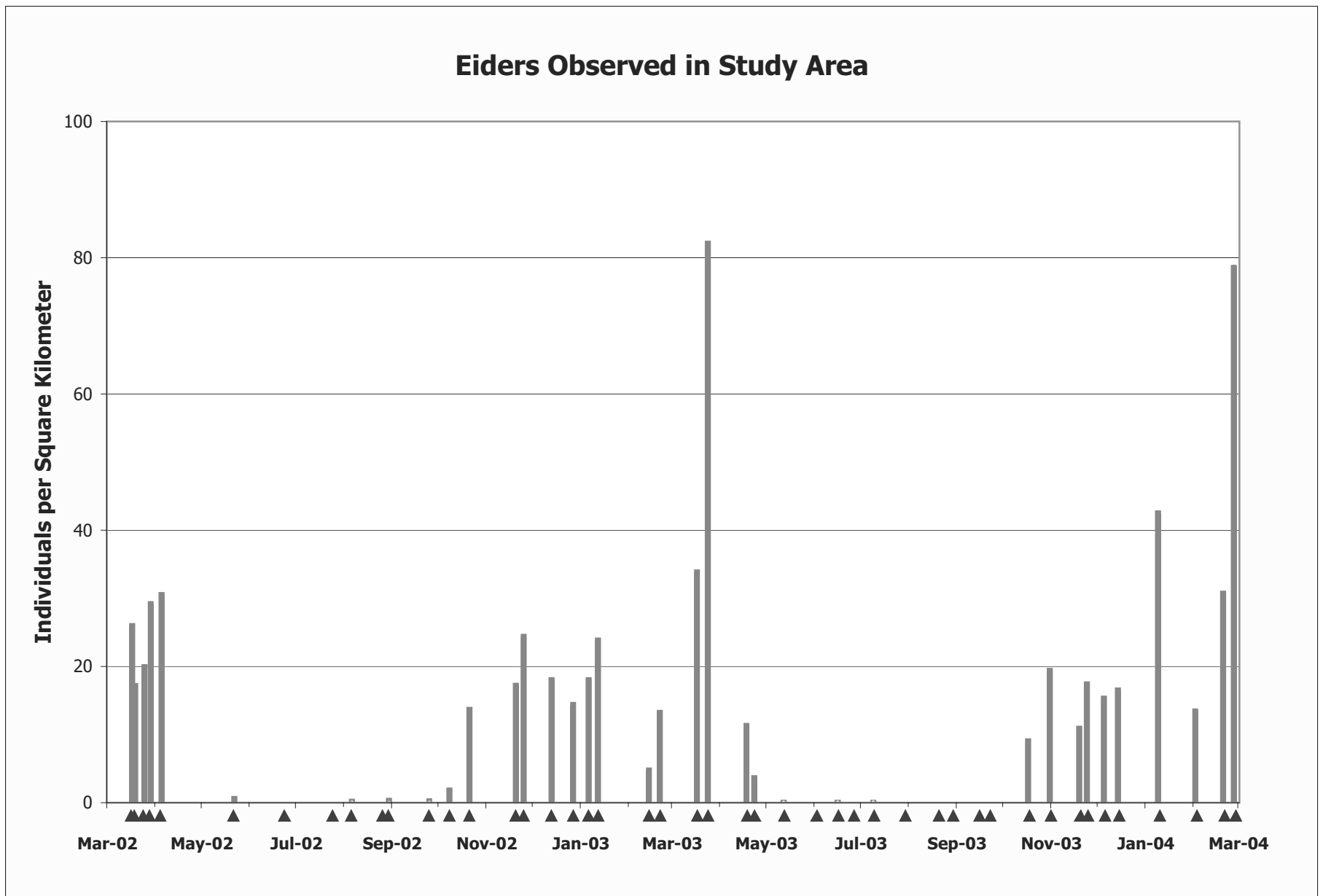


Figure 5.7-8 Individual Long-Tailed Ducks per Square Kilometer for Aerial Surveys March 2002 - February 2004

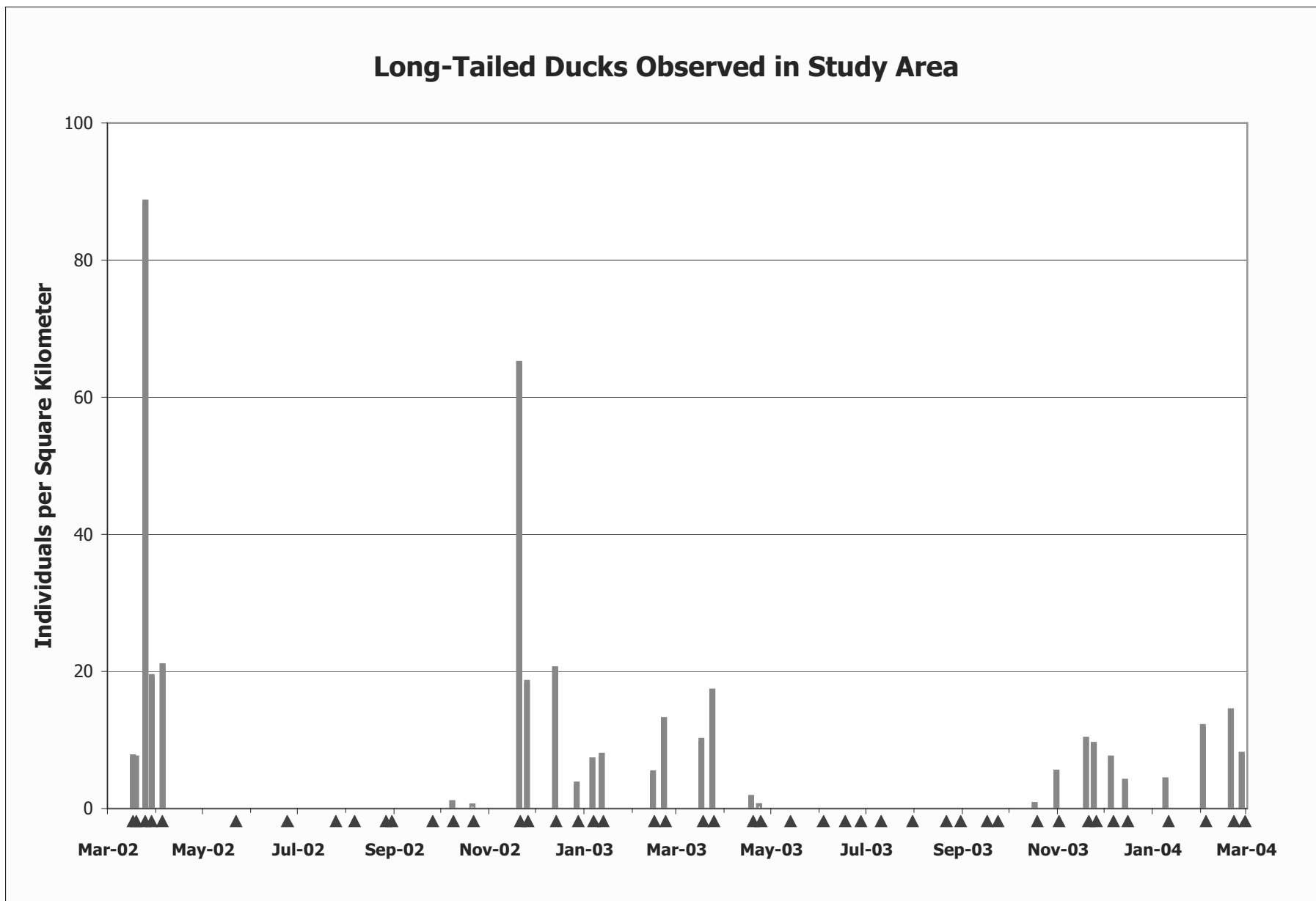


Figure 5.7-9 Individual Scoters per Square Kilometer for Aerial Surveys March 2002 - February 2004

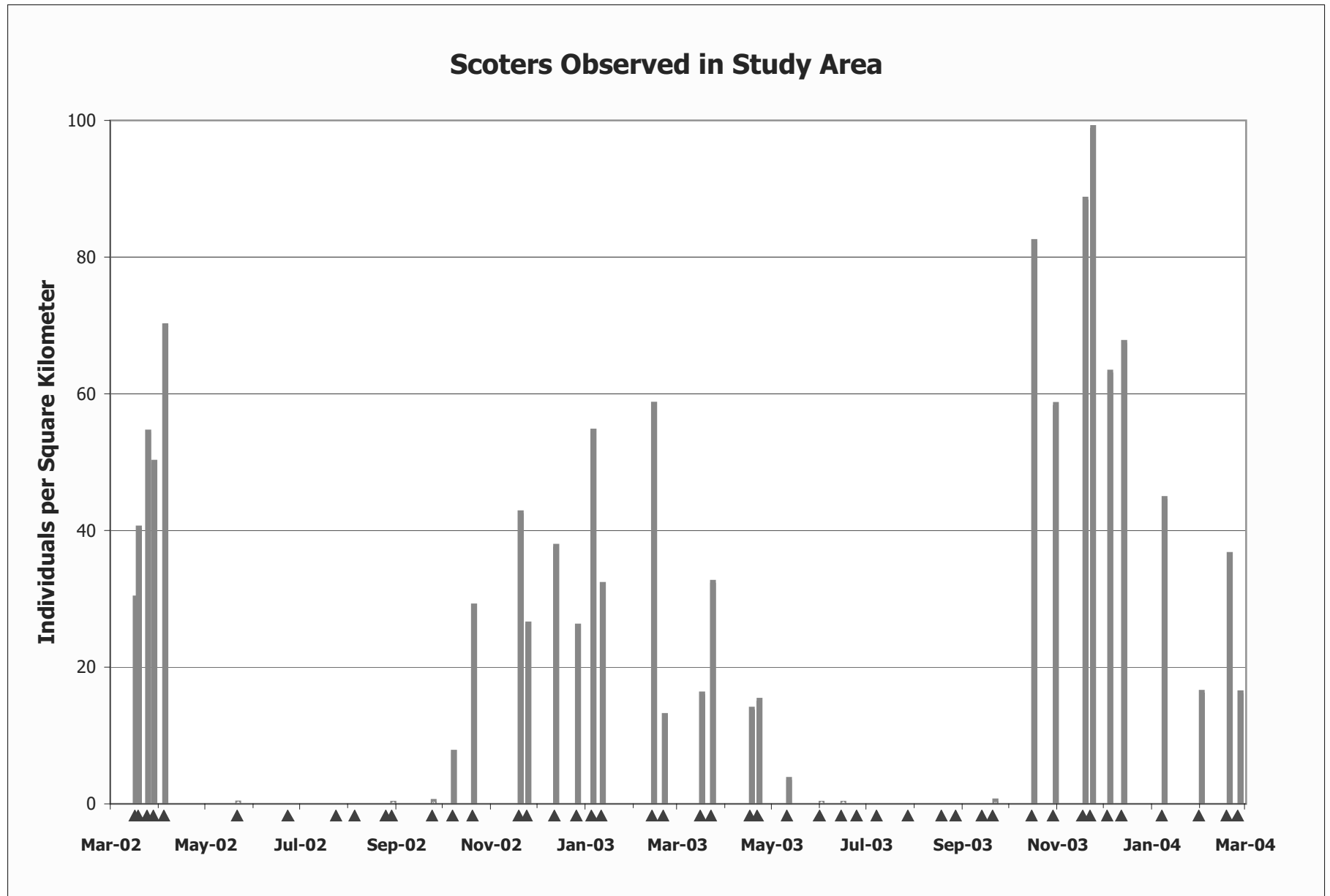


Figure 5.7-10 Individual Goldeneyes per Square Kilometer for Aerial Surveys March 2002 - February 2004

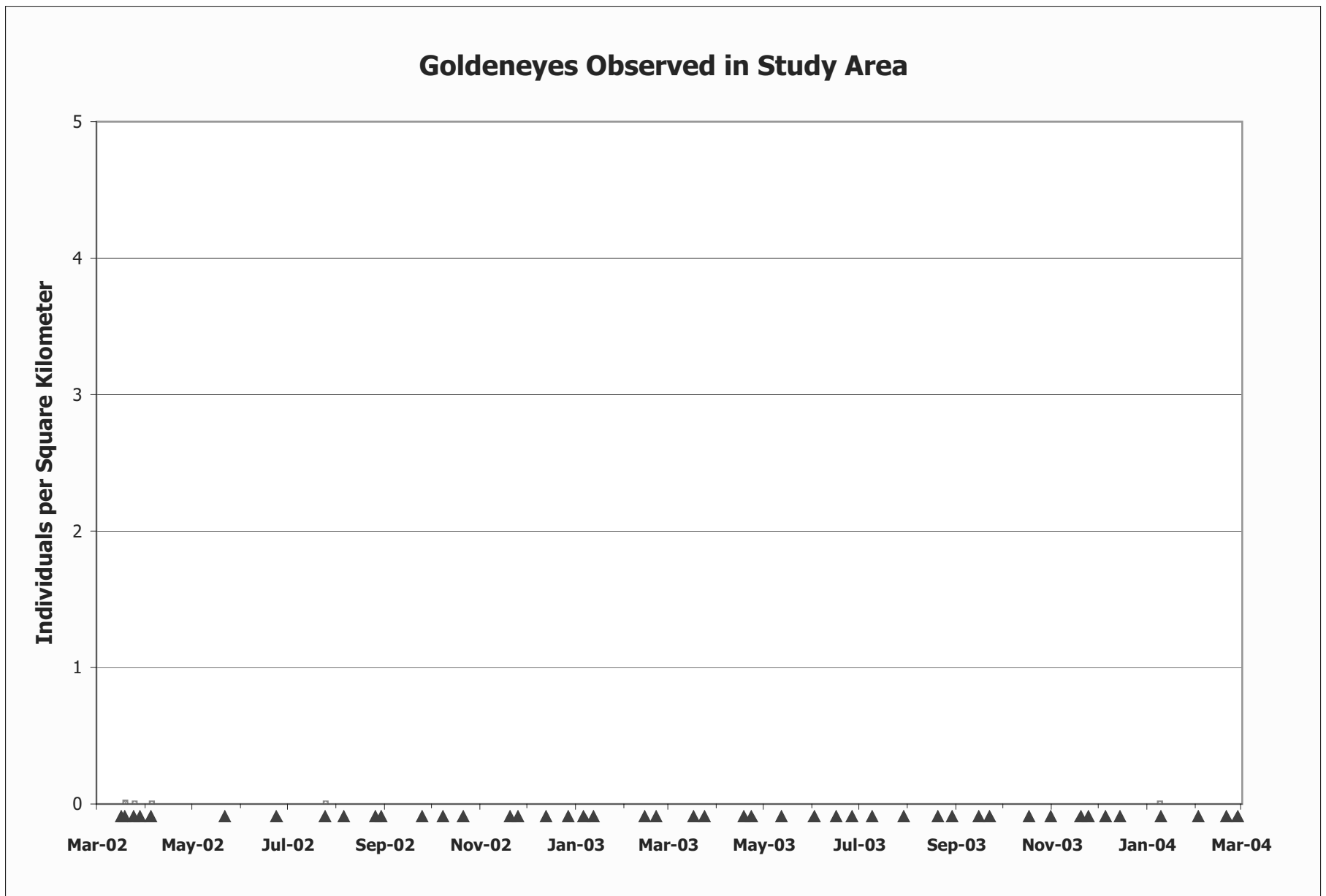


Figure 5.7-11 Individual Mergansers per Square Kilometer for Aerial Surveys March 2002 - February 2004

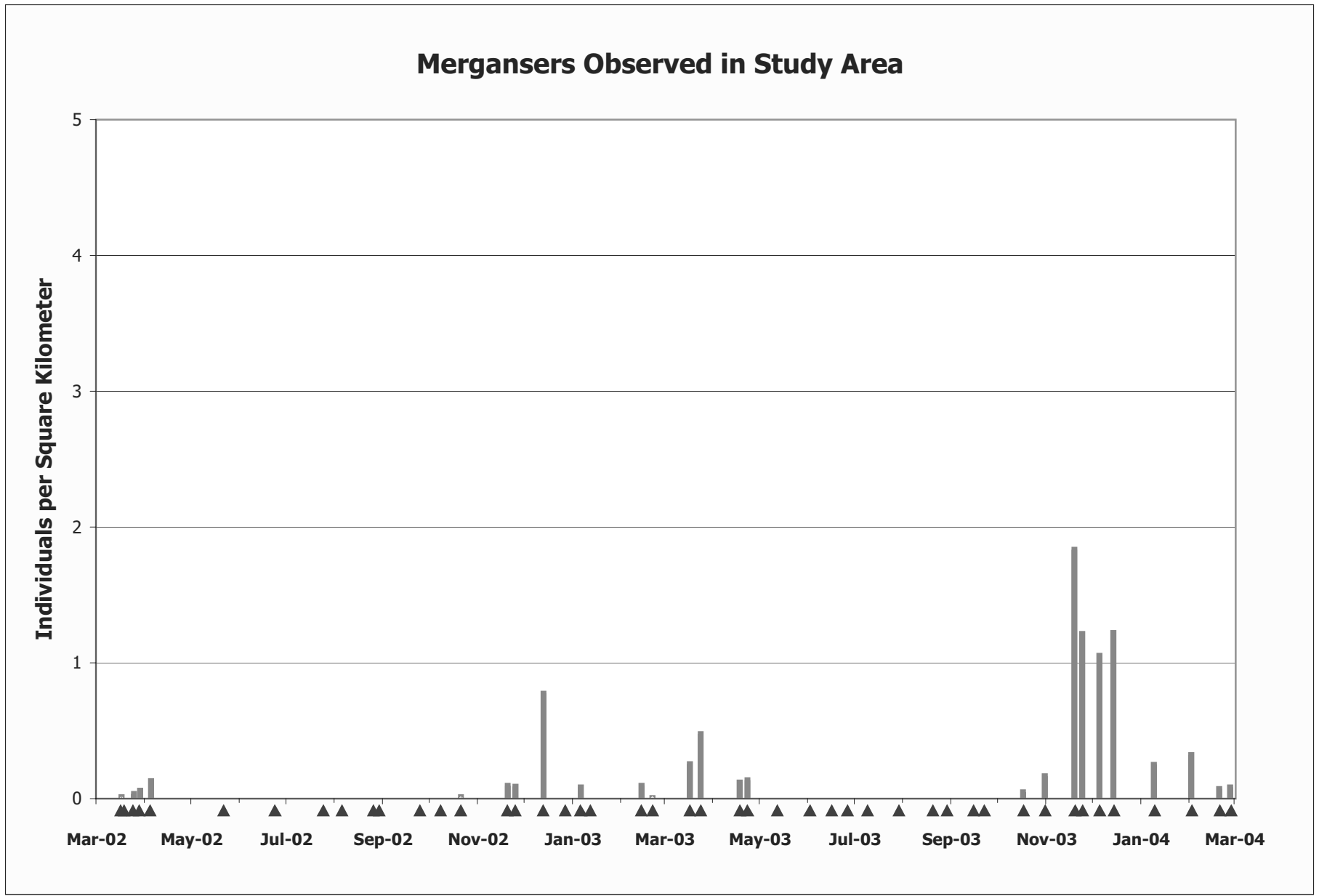


Figure 5.7-12 Individual Gulls per Square Kilometer for Aerial Surveys March 2002 - February 2004

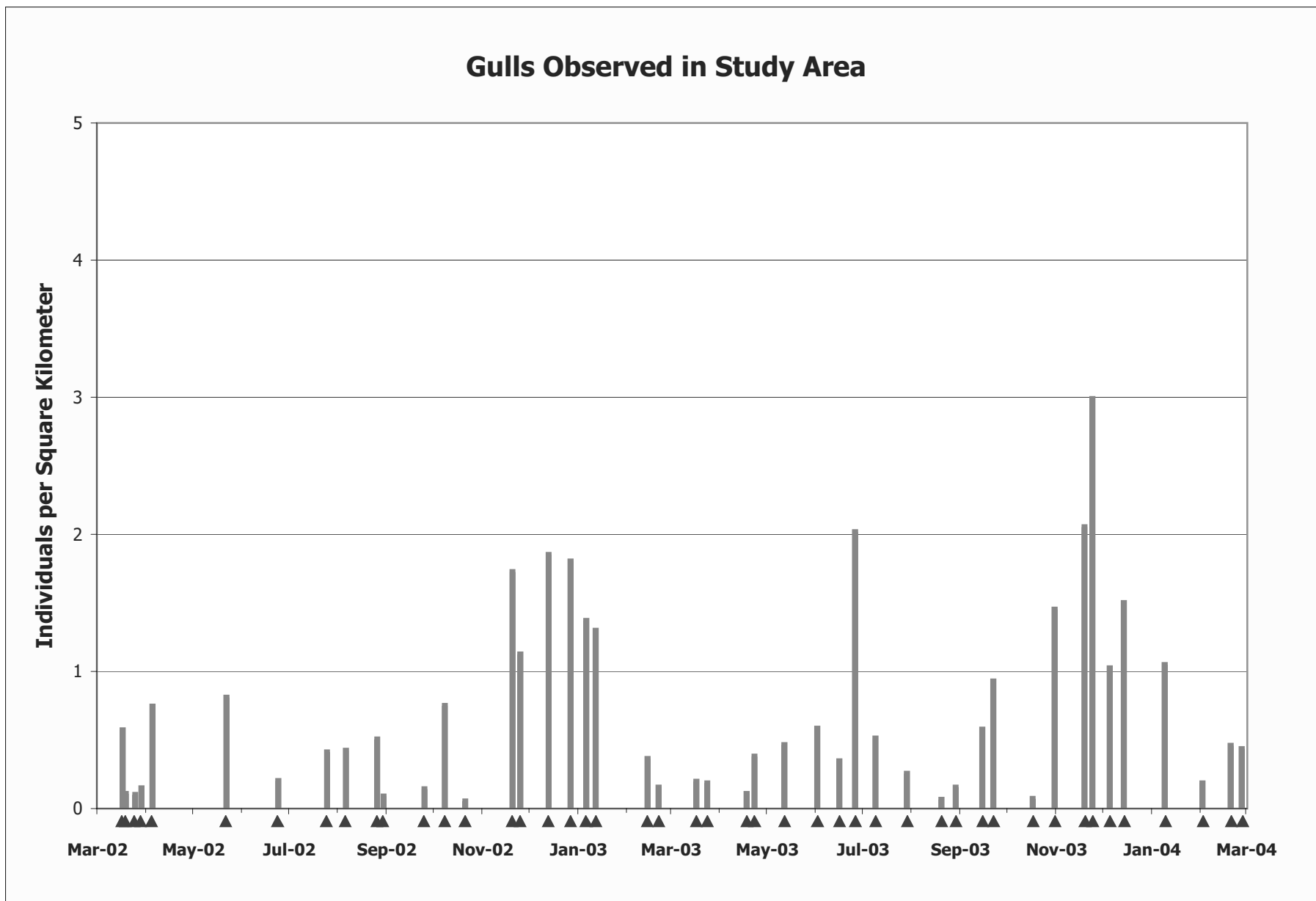


Figure 5.7-13 Individual Terns per Square Kilometer for Aerial Surveys March 2002 - February 2004

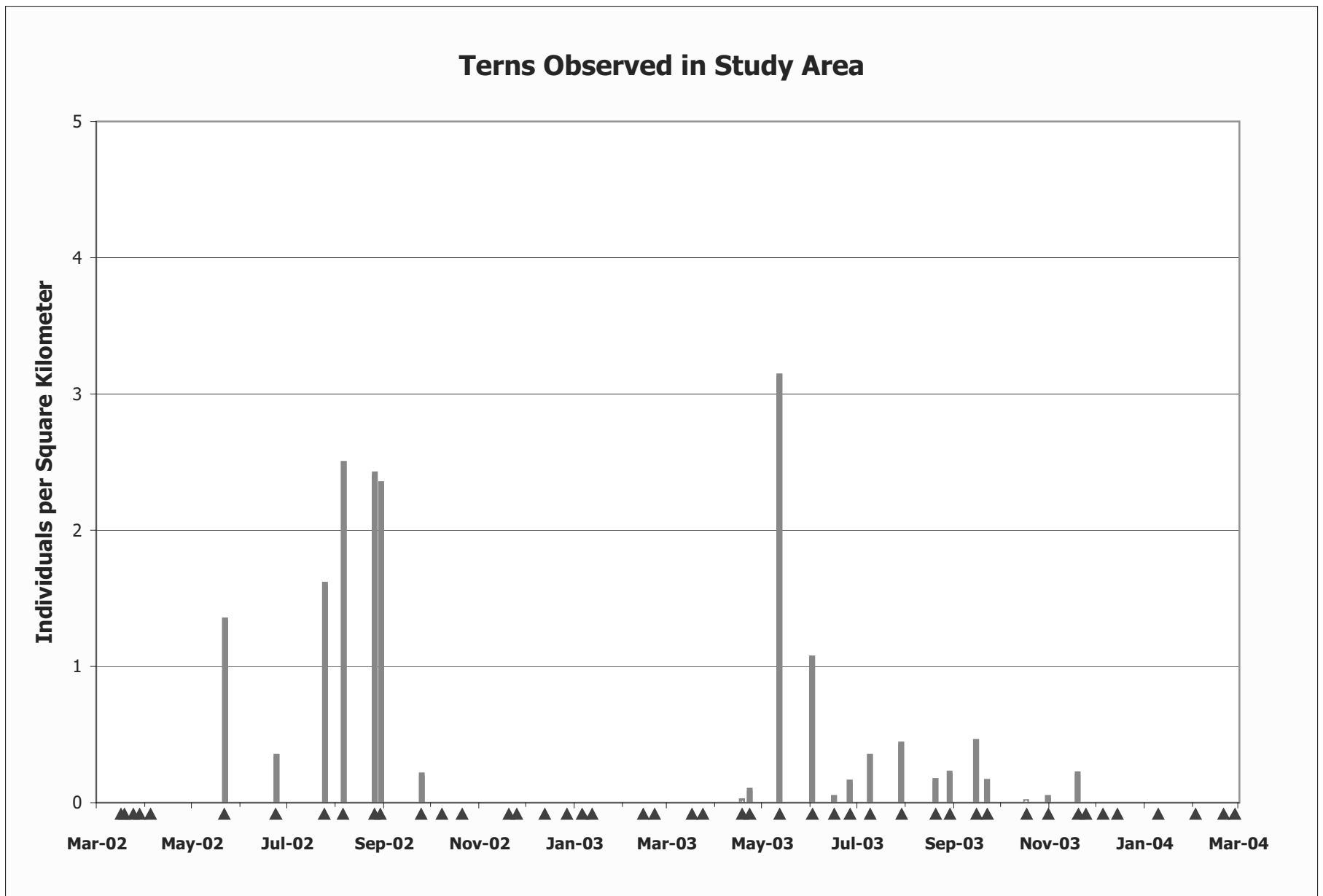
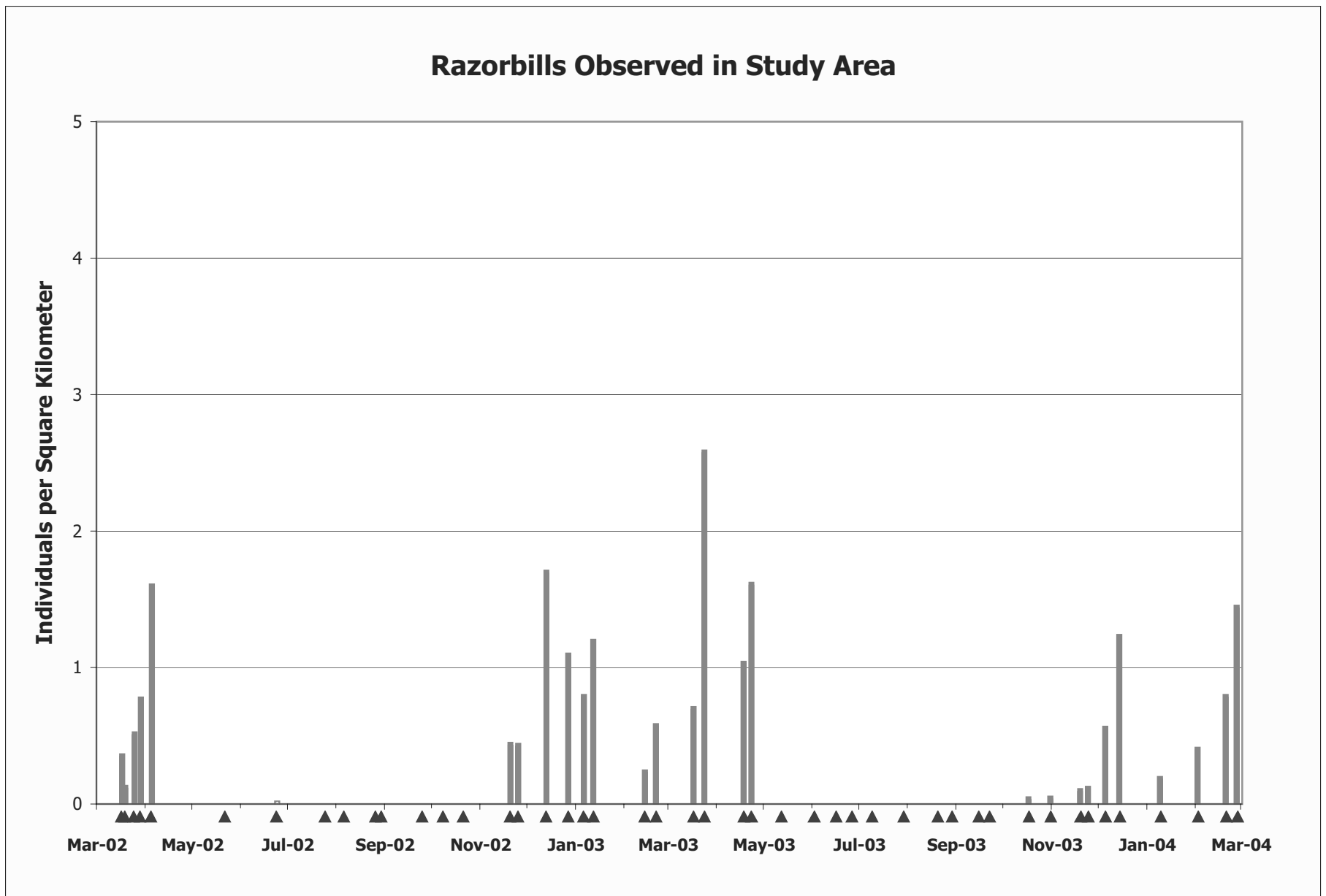
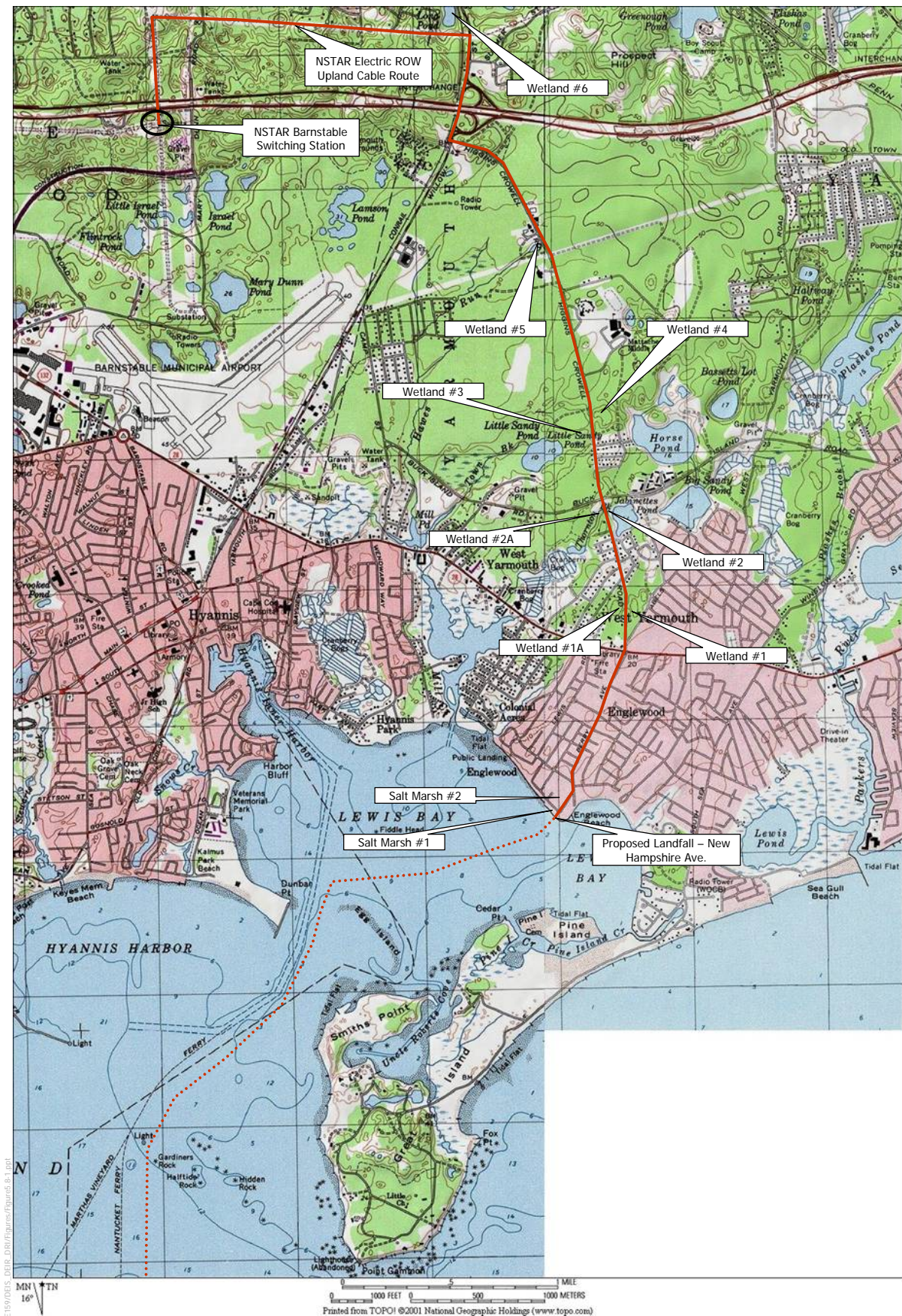


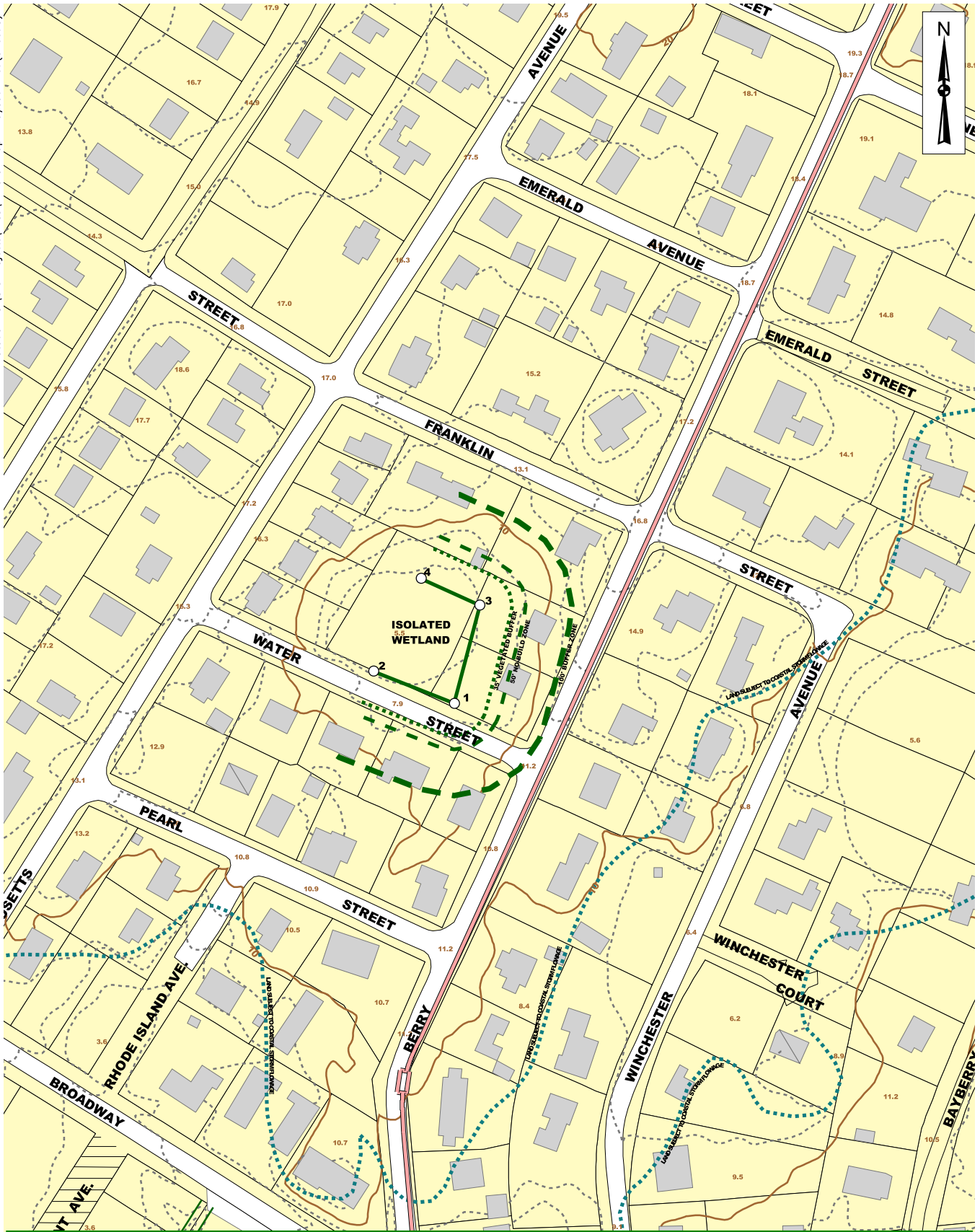
Figure 5.7-14 Individual Razorbills per Square Kilometer for Aerial Surveys March 2002 - February 2004

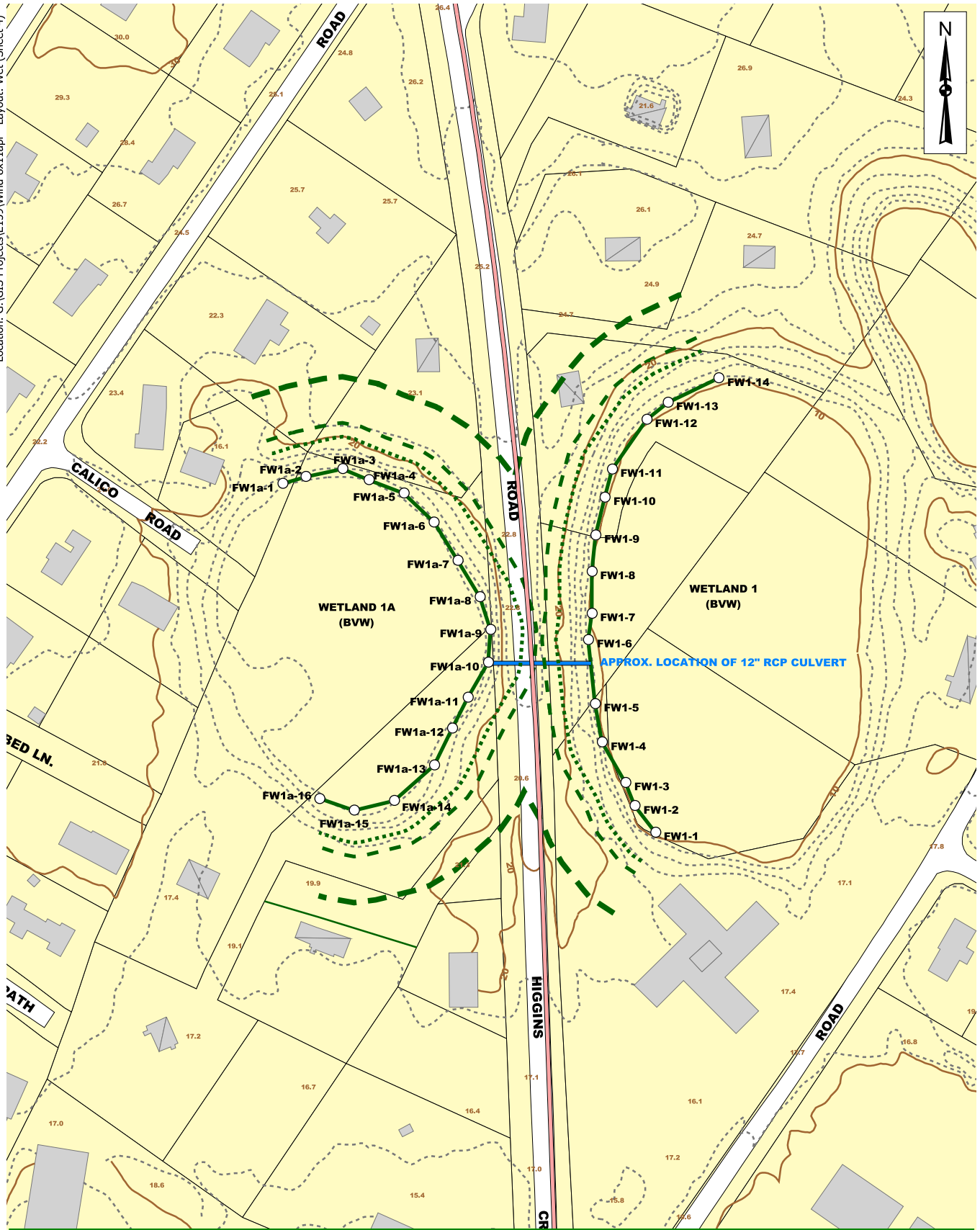


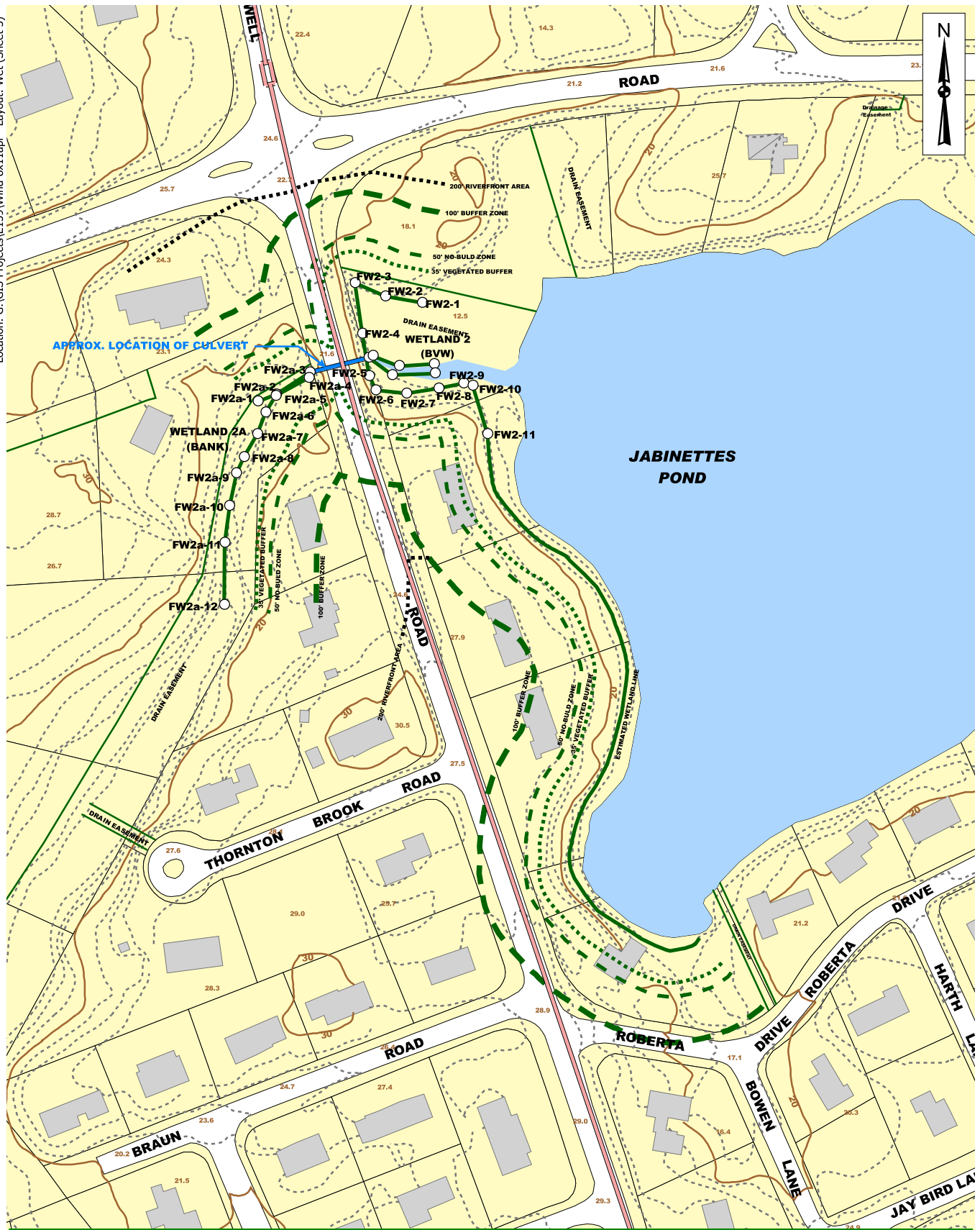


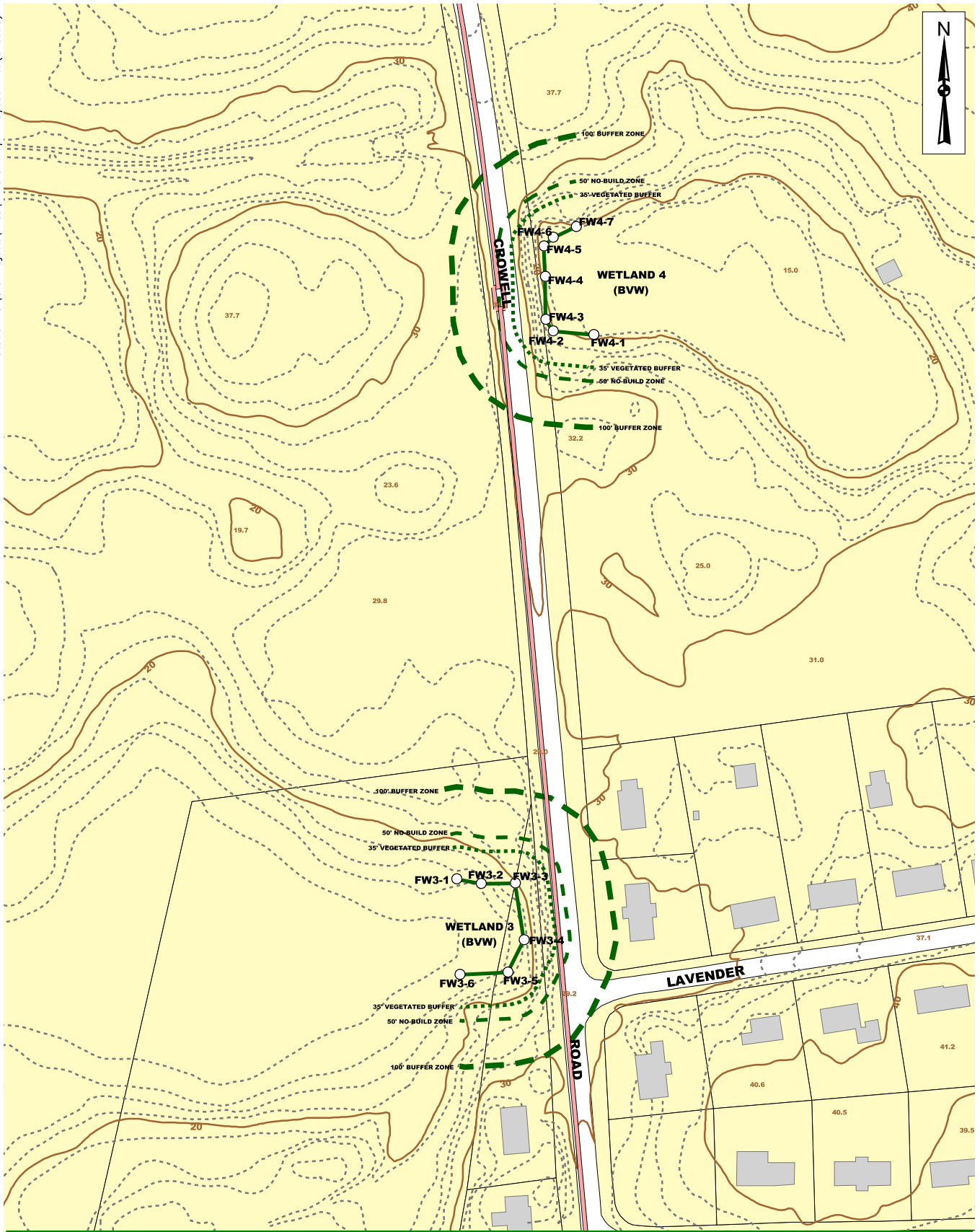


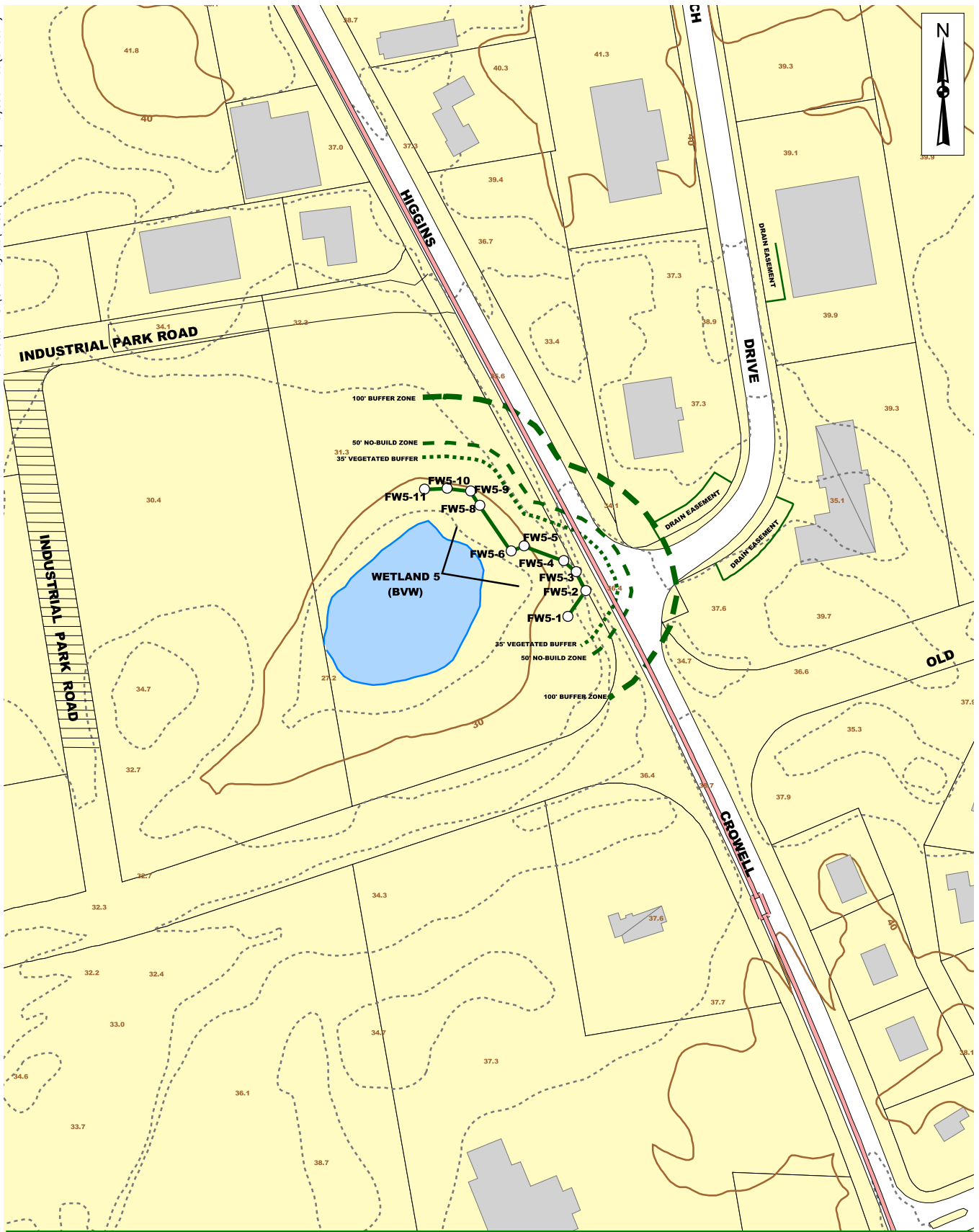












CAPE WIND PROJECT Southeastern Massachusetts

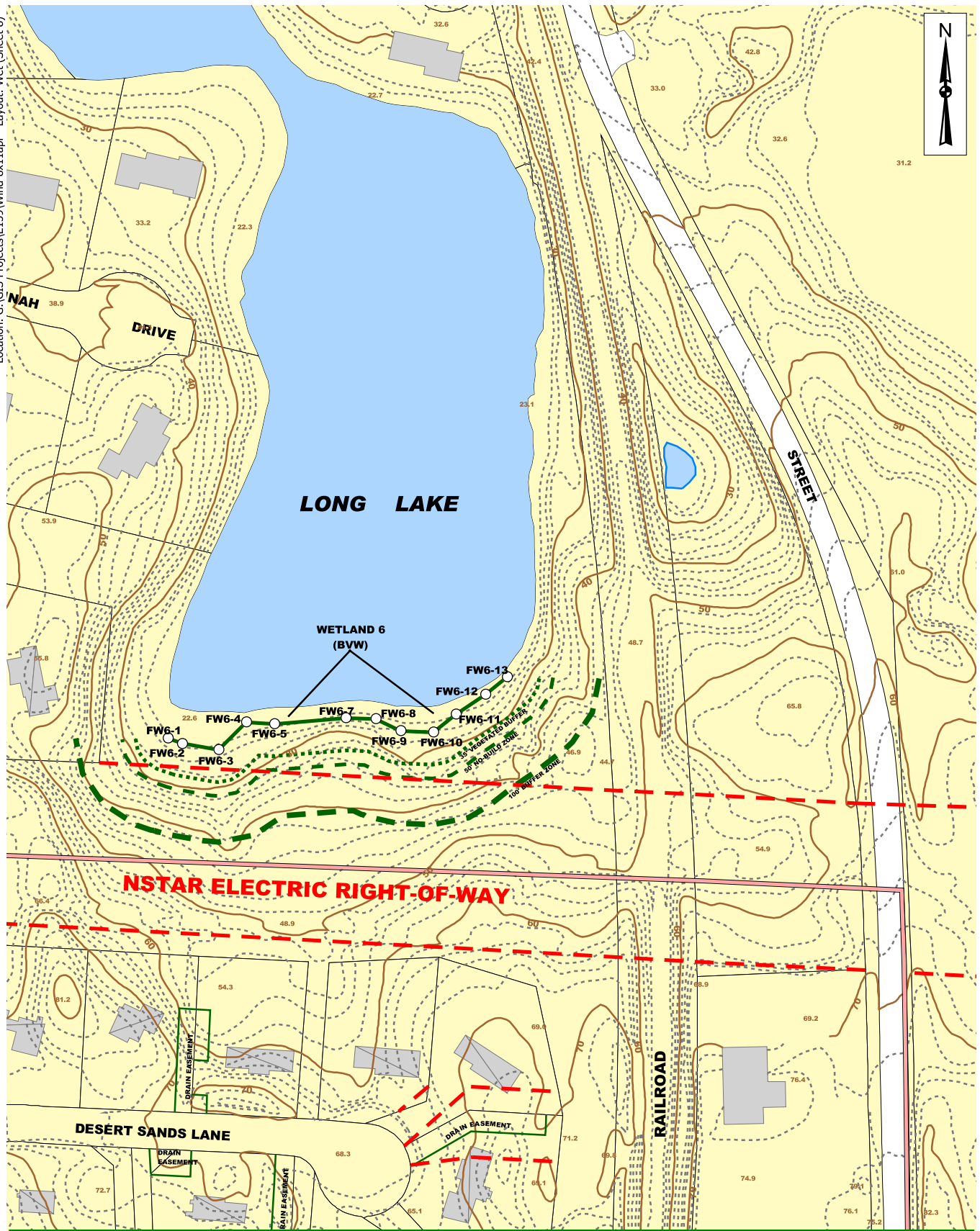
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Source: 1) ESS, Wetland Flag Locations, 2002 2) ESS, Buffers, 2002
3) Town of Yarmouth, Contours (NGVD-Feet), 2001
4) Town of Yarmouth, Roads, 2001 5) MassGIS, FEMA Q3, 1997
6) Town of Yarmouth, Streams and Water Bodies, 2001
7) Town of Yarmouth, Buildings and Parcel Boundaries, 2001
8) NOAA Published Benchmark Data, (Hyannis Port, MA), 1989

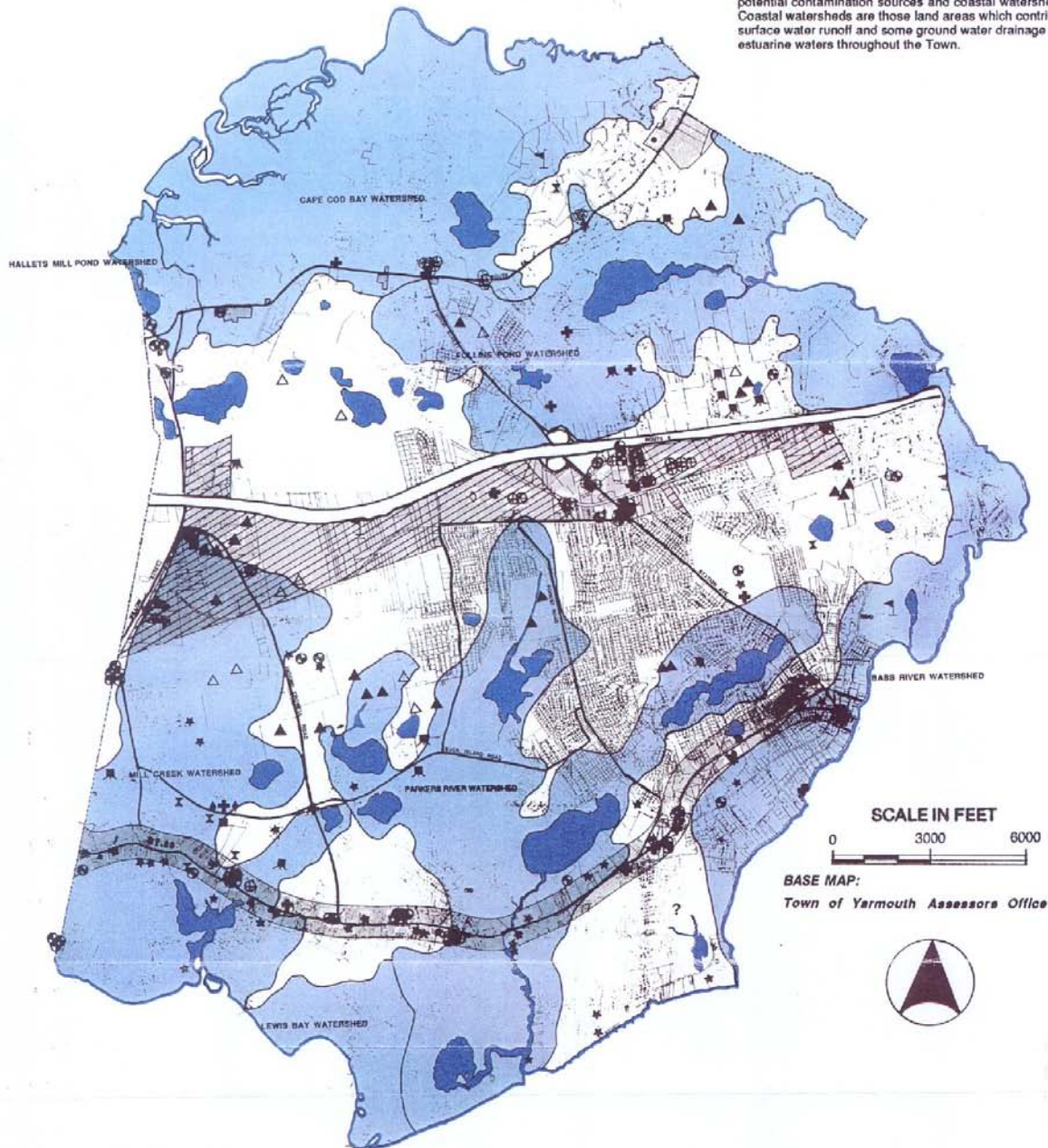
○	GPS Flag	—	Transmission Line	■	Buildings
—	GPS Flag Delineations	—	10' Elevation Contour	○	Road Network
—	Drainage Easement	—	2' Elevation Contour	■	Water Bodies
—	Access Roads	—	35' Vegetated Buffer	■	Town of Yarmouth
—	Gravel Roads	—	50' No-Build Zone		
—	Streams	—	100' Buffer Zone		

Wetland Resource Map (Higgins Crowell Road)

**Figure 5.8-2
Sheet 7 of 8**



EXPLANATION: This map shows the relationship between potential contamination sources and coastal watersheds. Coastal watersheds are those land areas which contribute surface water runoff and some ground water drainage to estuarine waters throughout the Town.



LEGEND

ZONING

- INDUSTRIAL
- BUSINESS

POTENTIAL SOURCES OF CONTAMINATION

- UNDERGROUND GASOLINE/DIESEL TANKS LESS THAN 15 YEARS OR 1000 OR MORE GALLONS
- 15 YEARS OR OLDER, LESS THAN 1000 GALLONS
- LESS THAN 15 YEARS OLD, 1000 OR MORE GALLONS
- LESS THAN 15 YEARS OLD, LESS THAN 1000 GALLONS
- EXISTING TOWN LANDFILL
- ABANDONED TOWN LANDFILL

? THE RUN WATERSHED IS UNDEFINED DUE TO INSUFFICIENT DATA

- STUMP DUMP
- LARGE SEPTIC SYSTEMS (GREATER THAN 5000 GALLONS)
- PRIVATELY OWNED WASTEWATER TREATMENT PLANT
- GOLF COURSE
- SALT STORAGE
- CONFIRMED HAZARDOUS WASTE SITE
- PUBLIC WATER SUPPLY
- PUBLIC WATER SUPPLY WELL
- PROPOSED PUBLIC WATER SUPPLY WELL
- COASTAL WATERSHED

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IEP
Inc.

Cape Wind
Energy for Life.

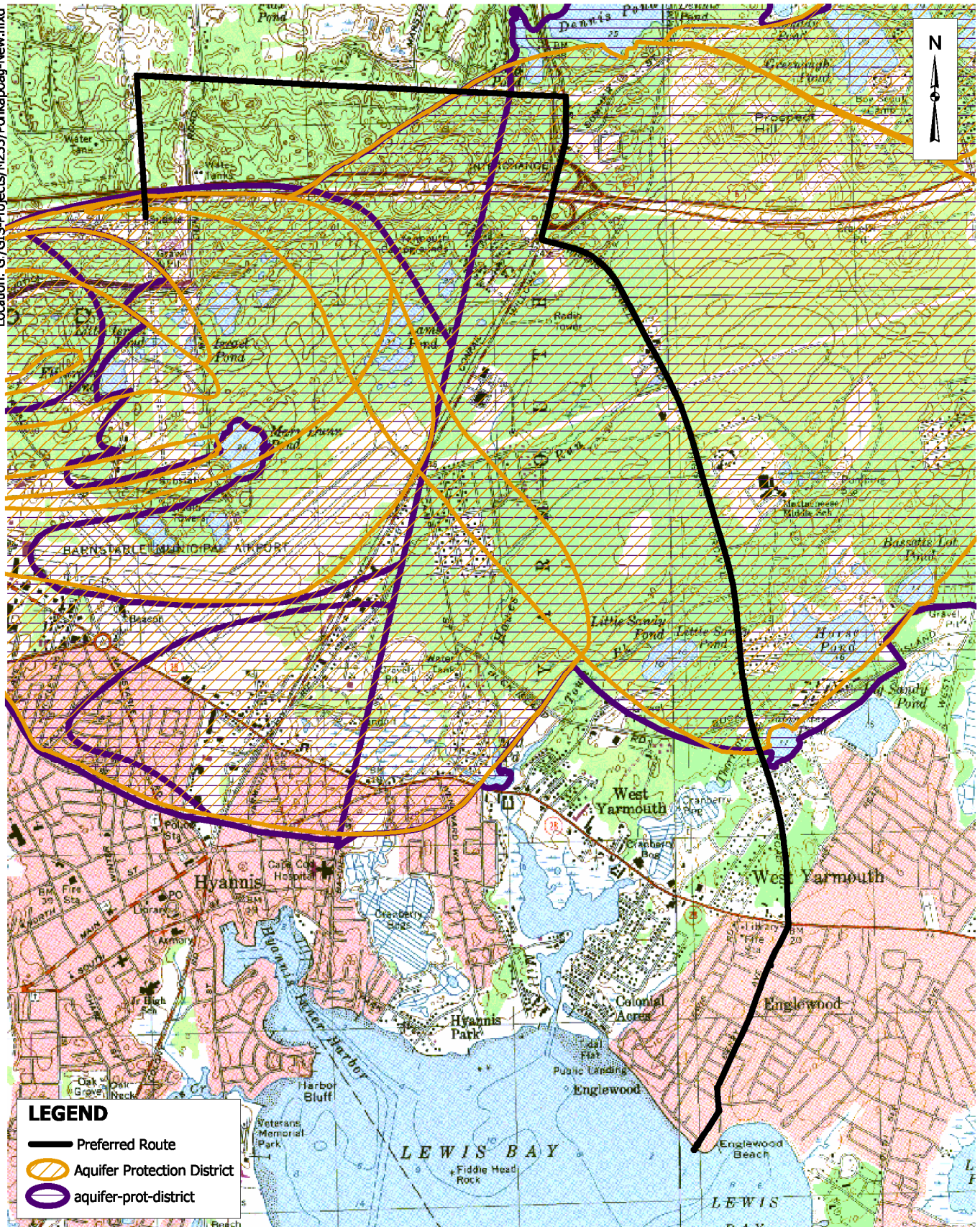
ESS
Group Inc.
Engineers
Scientists
Consultants

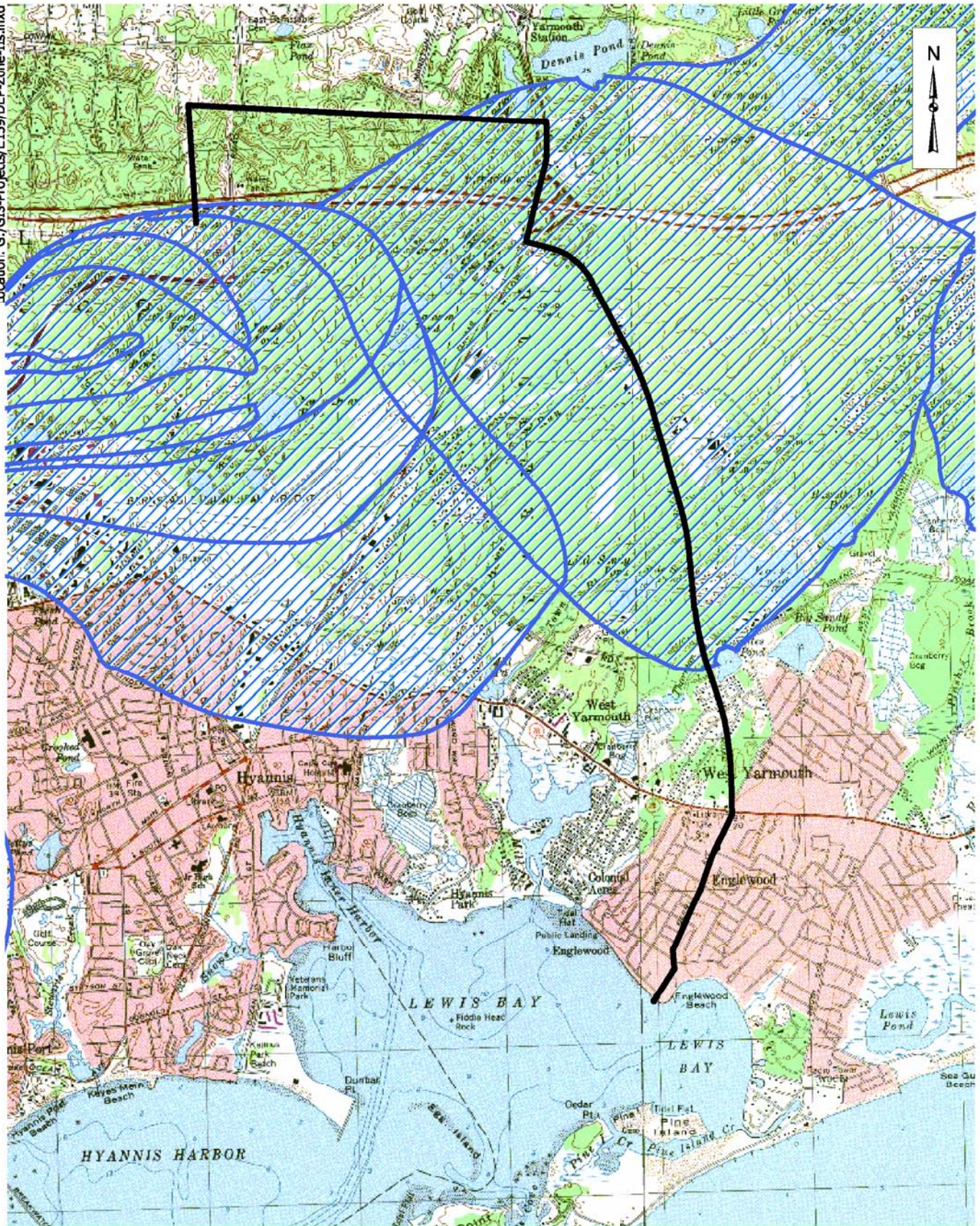
Cape Wind Project

Source: Water Resources Protection Study prepared for the Town of Yarmouth by I.E.P. Inc. and Wright Pierce, August 1988 Figure 4-1
Scale: As Shown
Copyright © ESS, Inc., 2004

**Coastal Watersheds Potential
Contamination Sources
Water Resources Protection Plan
Town of Yarmouth, Massachusetts**

**Figure
5.8-4**





CAPE WIND PROJECT **Yarmouth, Massachusetts**

Scale: 1" = 3,000'

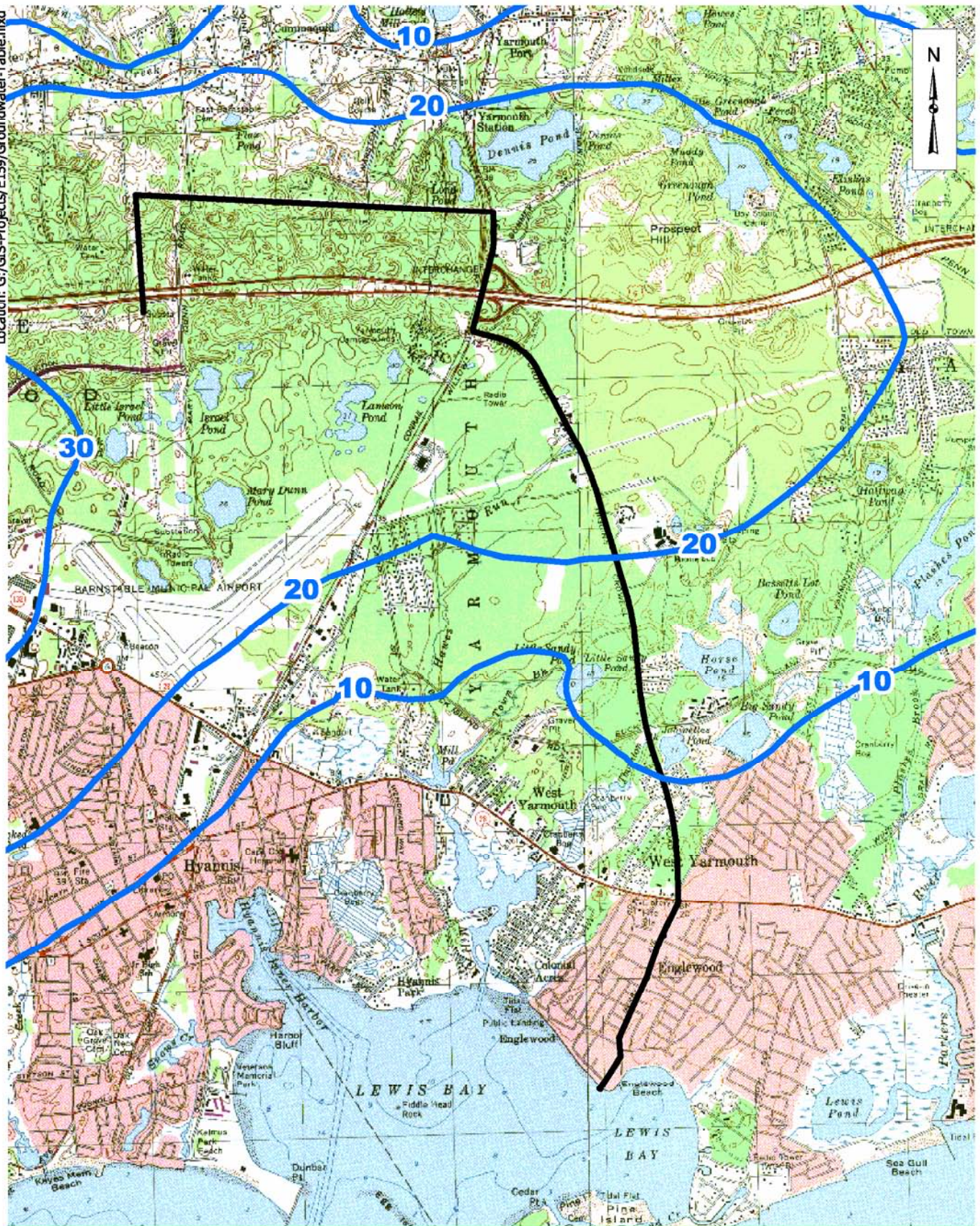
Source: 1) MassGIS, USGS DRG 1972-79
2) MassGIS, DEP Approved Zone IIs, 2003
3) ESS, Preferred Route, 2002

LEGEND

- Preferred Route
- DEP Approved Zone IIs

DEP Approved Zone IIs Along the Preferred Route

**Figure
5.9-3**



CAPE WIND PROJECT Yarmouth, Massachusetts

Scale: 1" = 3,000'

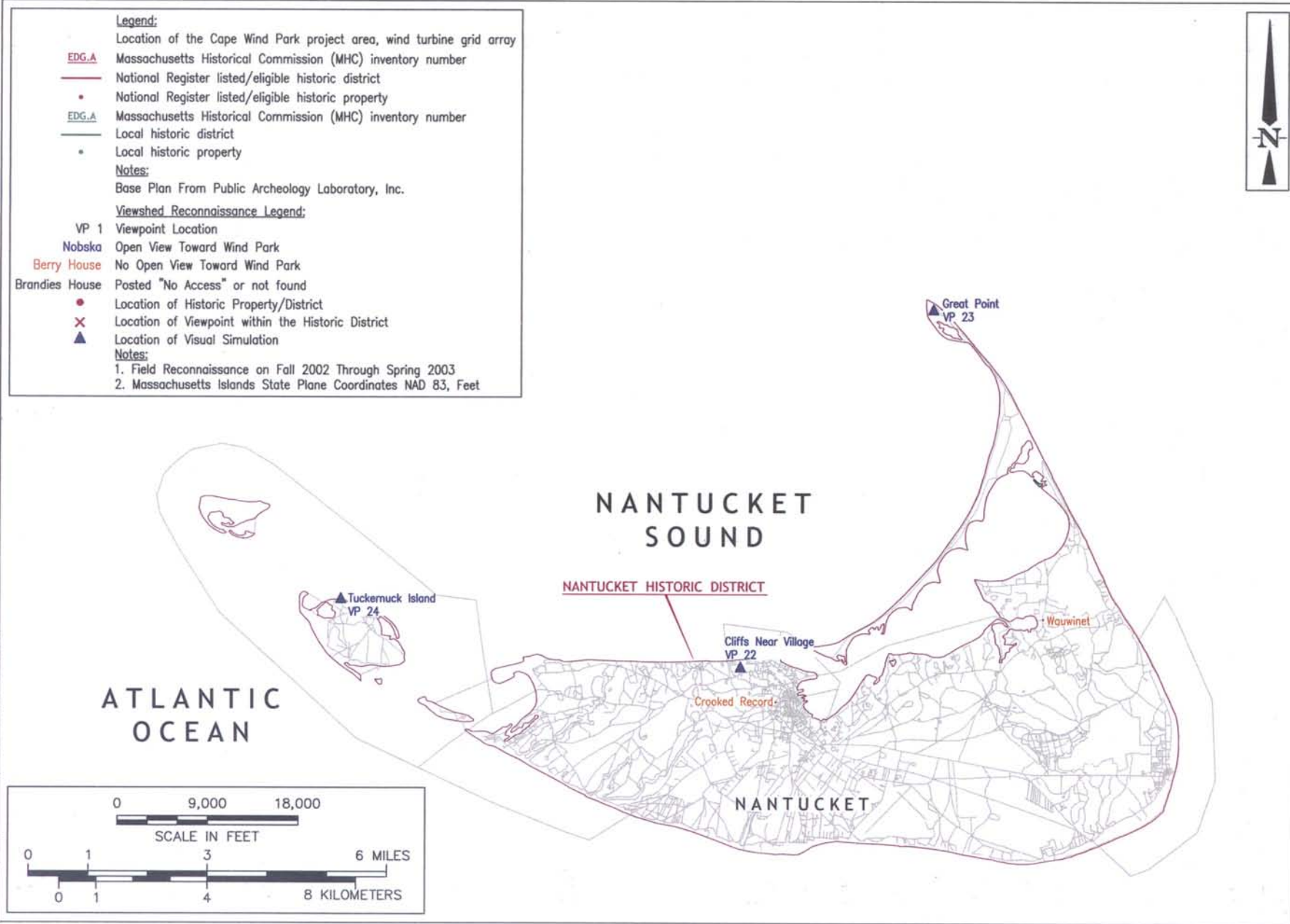
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2) MassGIS, Groundwater Contours, 1988
3) ESS, Preferred Route, 2002

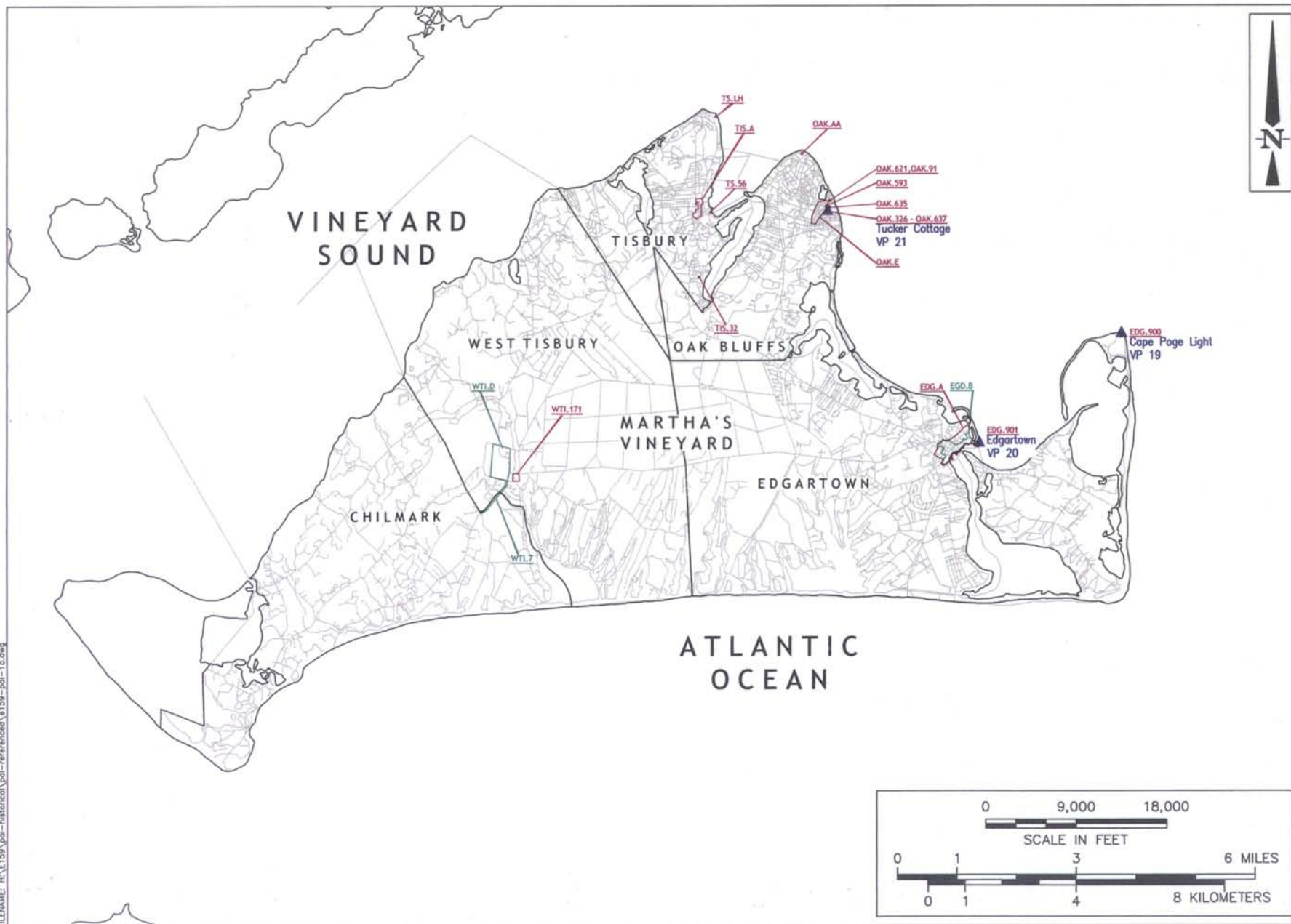
LEGEND

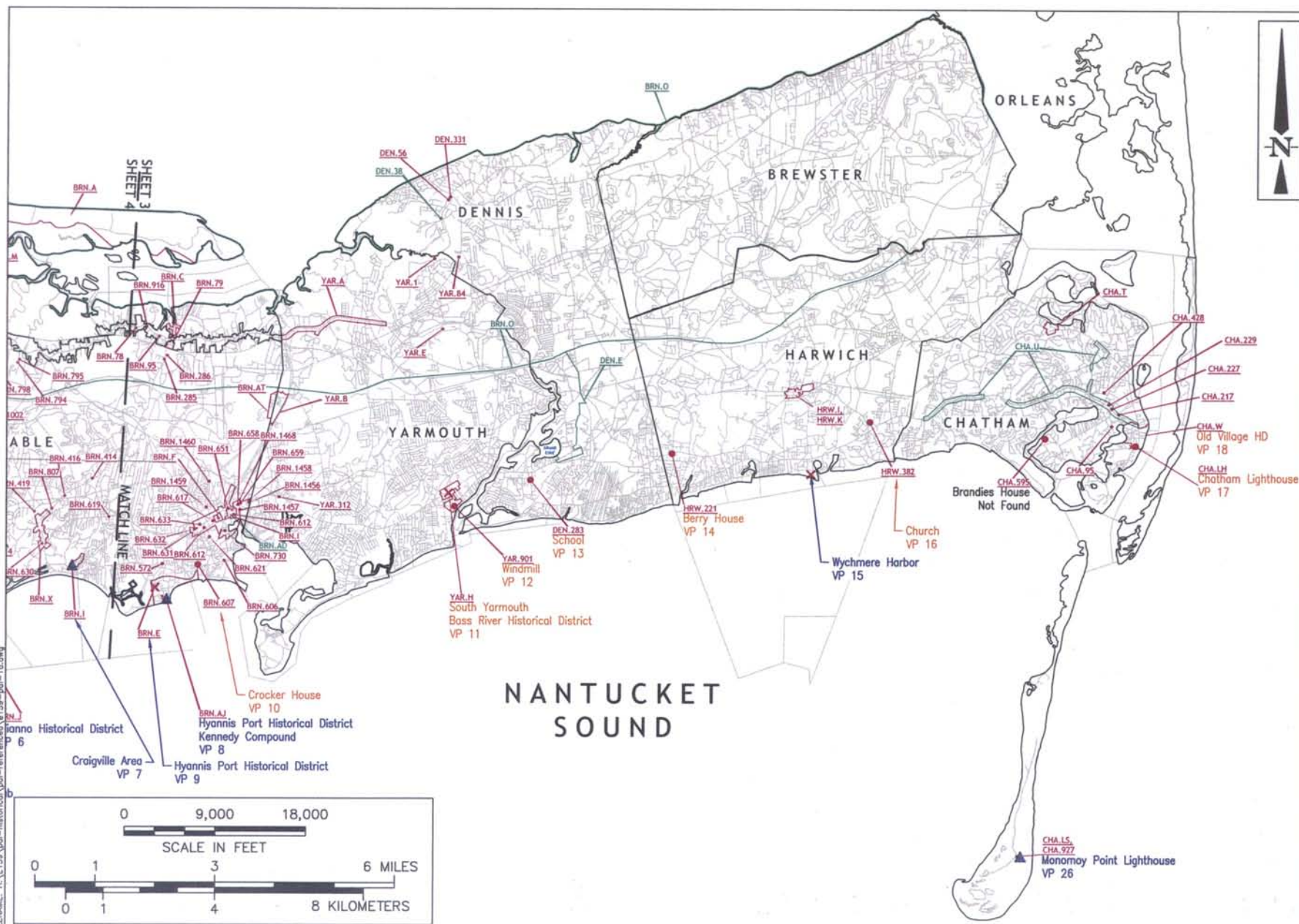
- Groundwater Table Contours
(Above Sea Mean Level, Feet)
- Preferred Route

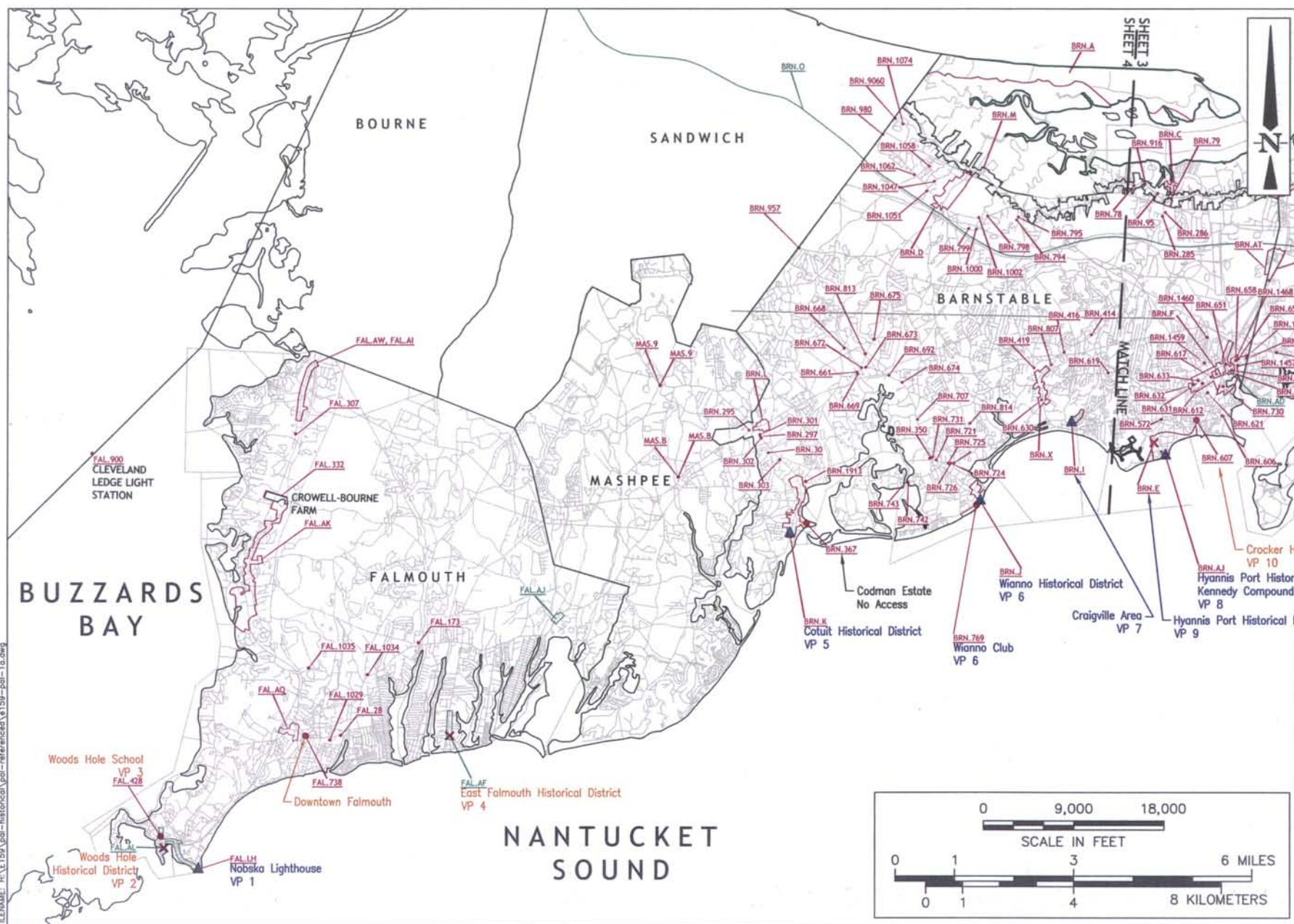
Groundwater Contours Along the Preferred Route

Figure
5.9-4











Viewpoint 1
View of Representative Historic Structure
 S/NRHP Historic Property – Nobska Lighthouse



Viewpoint 1
Existing View to South East Toward Proposed Project

Prepared for:



Viewpoint 1 - Nobska Lighthouse - Woods Hole, Falmouth, Cape Cod

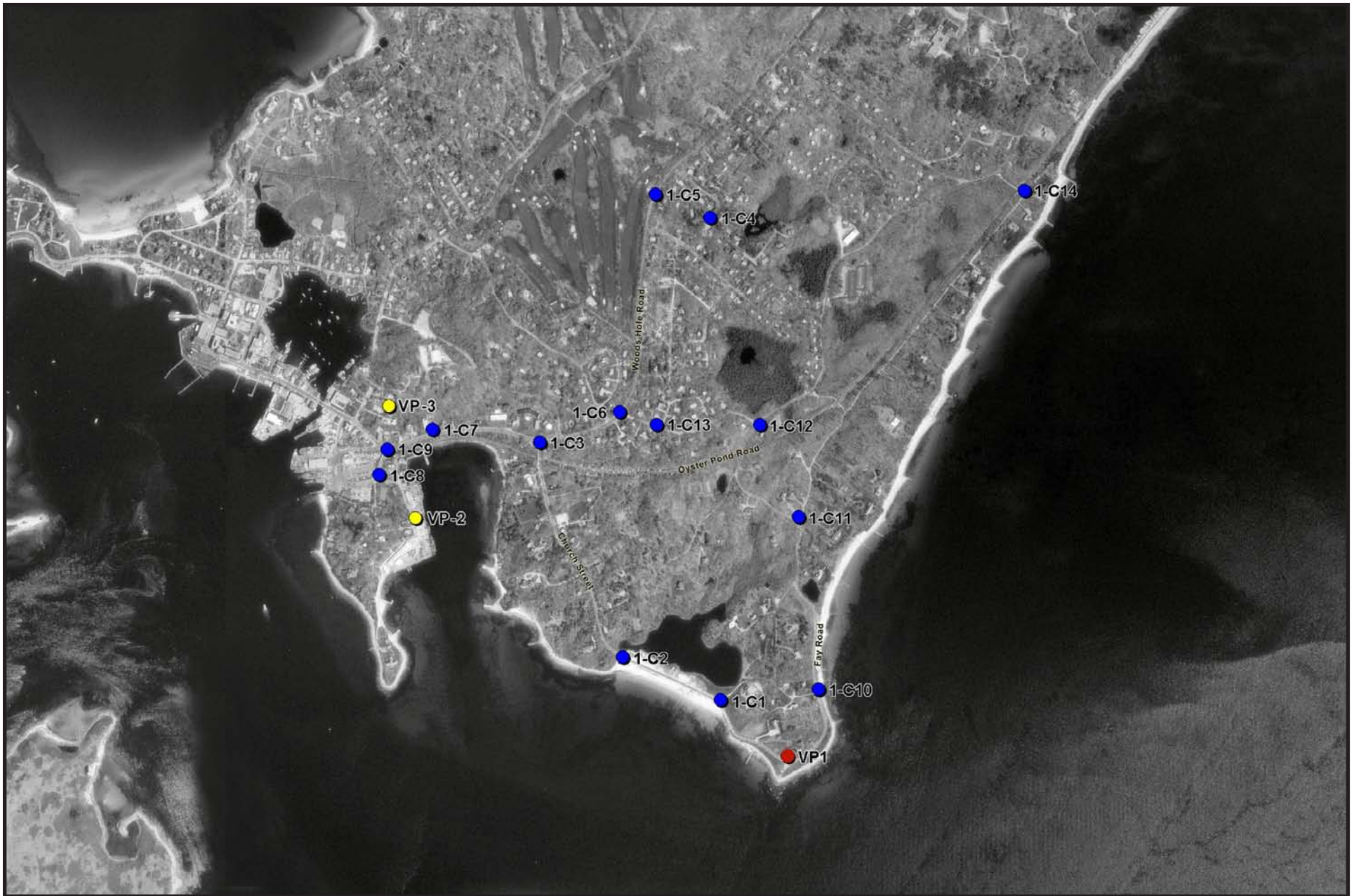
Cape Wind

Figure 5.10-2 Sheet 1 of 64

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 2 of 64 Character Photo Locations
Viewpoint 1 - Nobska Lighthouse - Falmouth, Cape Cod
Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Prepared for:



Figure 5.10-2 Sheet 3 of 64 Character Photo Locations
Viewpoint 1 - Nobska Lighthouse - Falmouth, Cape Cod
Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 1-C1



Viewpoint 1-C1



Viewpoint 1-C2



Viewpoint 1-C3



Viewpoint 1-C4



Viewpoint 1-C5

Prepared for:



Figure 5.10-2 Sheet 4 of 64
Character Photos Near Viewpoint 1 - Falmouth, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 1-C6



Viewpoint 1-C7



Viewpoint 1-C8



Viewpoint 1-C9



Viewpoint 1-C10



Viewpoint 1-C11

Prepared for:



Figure 5.10-2 Sheet 5 of 64
 Character Photos Near Viewpoint 1 - Falmouth, Cape Cod
 Cape Wind

Prepared by:



9/22/03



Viewpoint 1-C12



Viewpoint 1-C13



Viewpoint 1-C14



Viewpoint 2

Local Woods Hole Historic District MCH No. FAL.AL Little Harbor Woods Hole



Viewpoint 2-CE-3

View Southeast from southern portion of MCH No. FAL.AL



Viewpoint 3-CE-4

Woods Hole School MCH No. FAL.AL
24 School Street, Woods Hole

Prepared for:



Character Photos Near Viewpoint 1 - Falmouth, Cape Cod
Cape Wind

Figure 5.10-2 Sheet 6 of 64

Prepared by:



9/22/03



Viewpoint 3-CE-4
View Southeast from southern portion of MHC No. FAL.AL



Viewpoint 4-CE-9 Local East Falmouth Historic District MCH No. FAL.AF View
Southwest from 481 Davisville Rd. No open view toward Wind Park.

Prepared for:



Figure 5.10-2 Sheet 7 of 64
Character Photos Near Viewpoint 1 - Falmouth, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 5-CE-6
 Representative Historic Structure in Cotuit Historic District
 249 Ocean View Avenue
 MHC No. BRNK. HD



Viewpoint 5
 Existing View South East Toward Proposed Project
 From Loop Beach, South of Cotuit Historic District

Prepared for:



Figure 5.10-2 Sheet 8 of 64
Viewpoint 5 - Cotuit, Barnstable, Cape Cod
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 9 of 64 Character Photo Locations

Viewpoint 5 - Cotuit, Cape Cod

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 5-C1



Viewpoint 5-C2



Viewpoint 5-C3



Viewpoint 5-C4



Viewpoint 5-C5



Viewpoint 5-C6

Prepared for:



Figure 5.10-2 Sheet 10 of 64
Character Photos Near Viewpoint 5 - Cotuit, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 5-C7



Viewpoint 5-C8



Viewpoint 5-C9



Viewpoint 5-C10
Codman Estate MHC No. BRN. 367
(Posted - no access)

Prepared for:



Figure 5.10-2 Sheet 11 of 64
Character Photos Near Viewpoint 5 - Cotuit, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 6
 Representative Property in Wianno Historic District
 71 Seaview Avenue, Osterville
 MHC No. BRN.J



Viewpoint 6
 Existing View South East Toward Proposed Project

Prepared for:

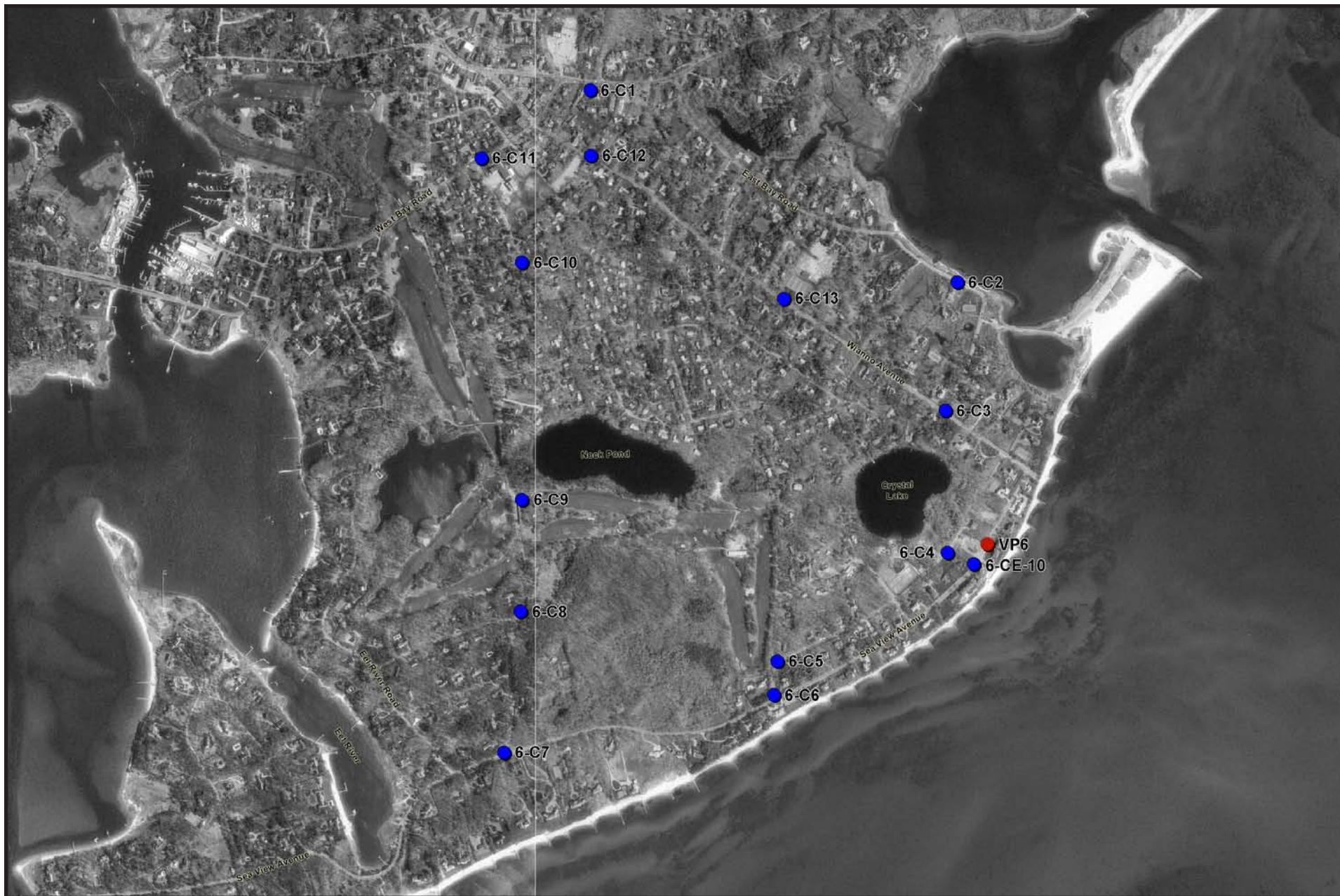


Figure 5.10-2 Sheet 12 of 64
Viewpoint 6 - Wianno, Osterville, Barnstable, Cape Cod
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 13 of 64 Character Photo Locations
Viewpoint 6 - Wianno, Cape Cod
Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 6-CE-10

Wianno Club, MHC No. BRN.769 107 Seaview Avenue, Osterville



Viewpoint 6-C1



Viewpoint 6-C2



Viewpoint 6-C3



Viewpoint 6-C4



Viewpoint 6-C5

Prepared for:



Figure 5.10-2 Sheet 14 of 64

Character Photos Near Viewpoint 6 - Wianno, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 6-C6



Viewpoint 6-C7



Viewpoint 6-C8



Viewpoint 6-C9



Viewpoint 6-C10



Viewpoint 6-C11

Prepared for:



Figure 5.10-2 Sheet 15 of 64

Character Photos Near Viewpoint 6 - Wianno, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 6-C12



Viewpoint 6-C13

Prepared for:



Figure 5.10-2 Sheet 16 of 64

Character Photos Near Viewpoint 6 - Wianno, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 7
 Representative Property in Craigville
 Craigville Manor & Lodge
 (Not within Craigville Historic District)



Viewpoint 7
 Existing View South Toward Proposed Project

Prepared for:

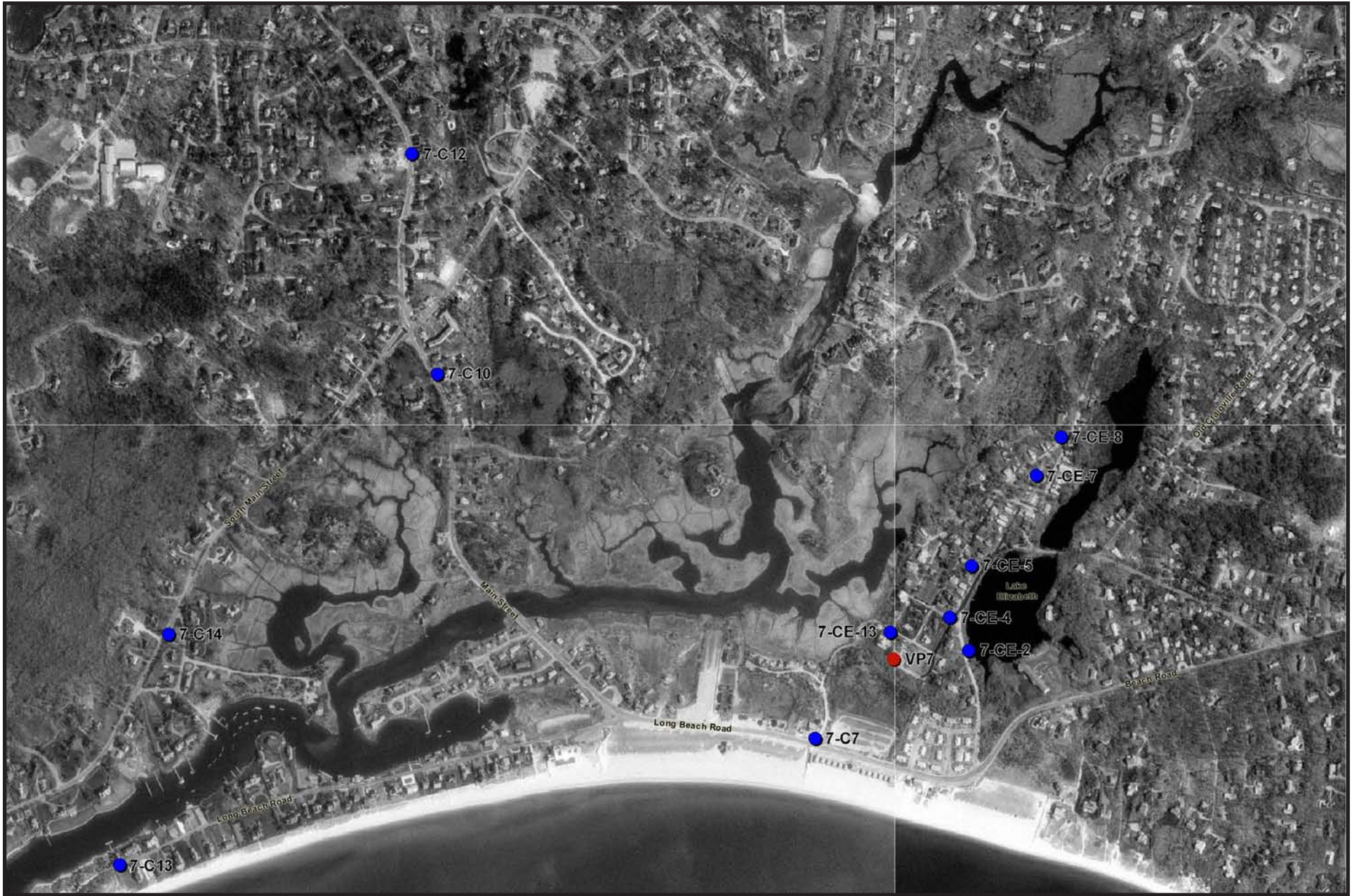


Figure 5.10-2 Sheet 17 of 64
Viewpoint 7 - Craigville, Barnstable, Cape Cod
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 18 of 64 Character Photo Locations

Viewpoint 7 - Craigville, Cape Cod

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 7-C7



Viewpoint 7-C7



Viewpoint 7-C10 (Centerville)



Viewpoint 7-C12 (Centerville)



Viewpoint 7-C13 (Centerville)



Viewpoint 7-C14 (Centerville)

Prepared for:



Figure 5.10-2 Sheet 19 of 64
Character Photos Near Viewpoint 7 - Craigville, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 7-CE-2



Viewpoint 7-CE-4



Viewpoint 7-CE-5



Viewpoint 7-CE-7



Viewpoint 7-CE-8



Viewpoint 7-CE-13

Prepared for:



Figure 5.10-2 Sheet 20 of 64
Character Photos Near Viewpoint 7 - Craigville, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 8 - CE-13
 Representative Property in Hyannis Port Historic District
 61 Scudder Avenue (Near VP 8)
 MHC No. BRN.E



Viewpoint 8
 Existing View South Toward Proposed Project

Prepared for:

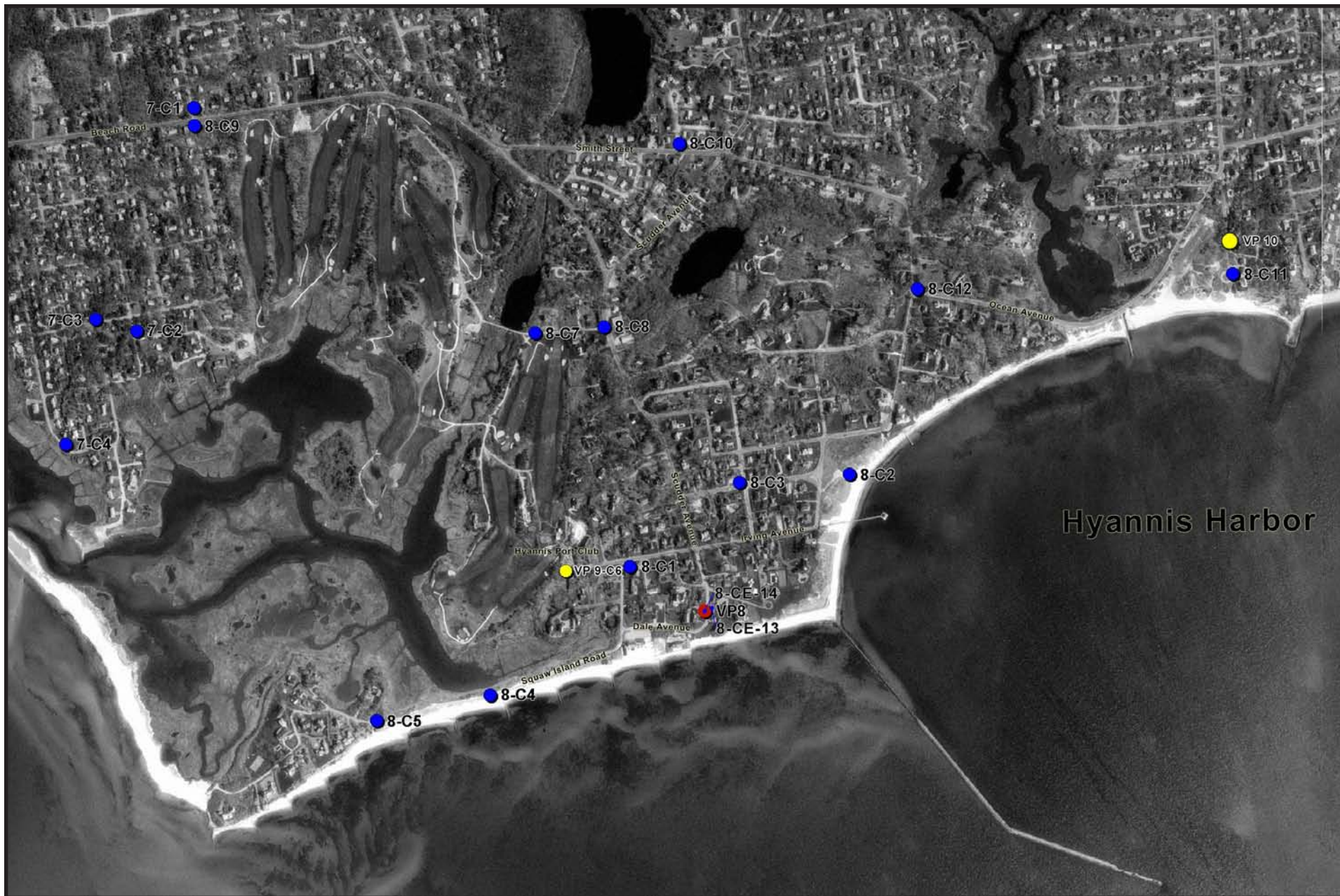


Figure 5.10-2 Sheet 21 of 64
Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 22 of 64 Character Photo Locations
Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





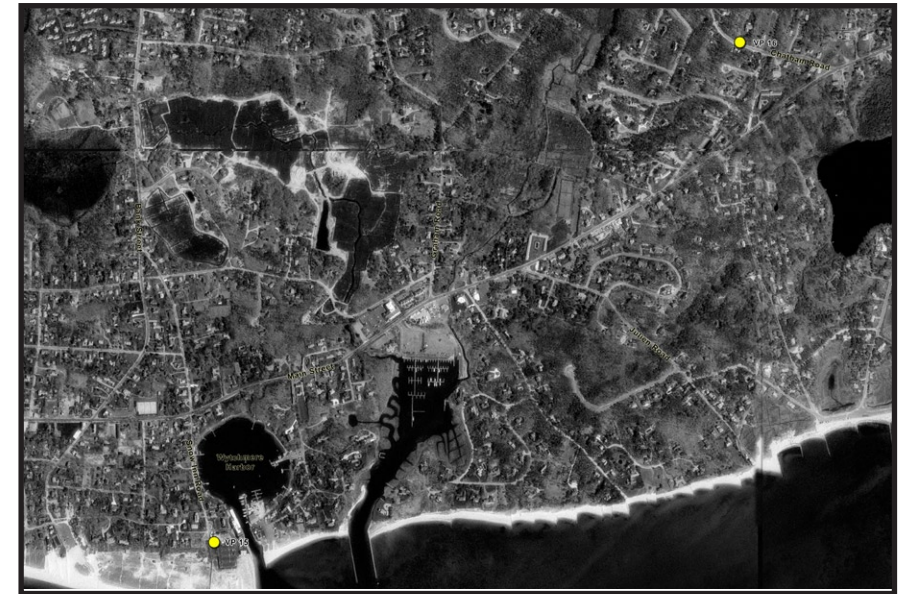
South Yarmouth



Dennis



Harwich



South Harwich and Harwich Port

Prepared for:



Figure 5.10-2 Sheet 23 of 64 Character Photo Locations

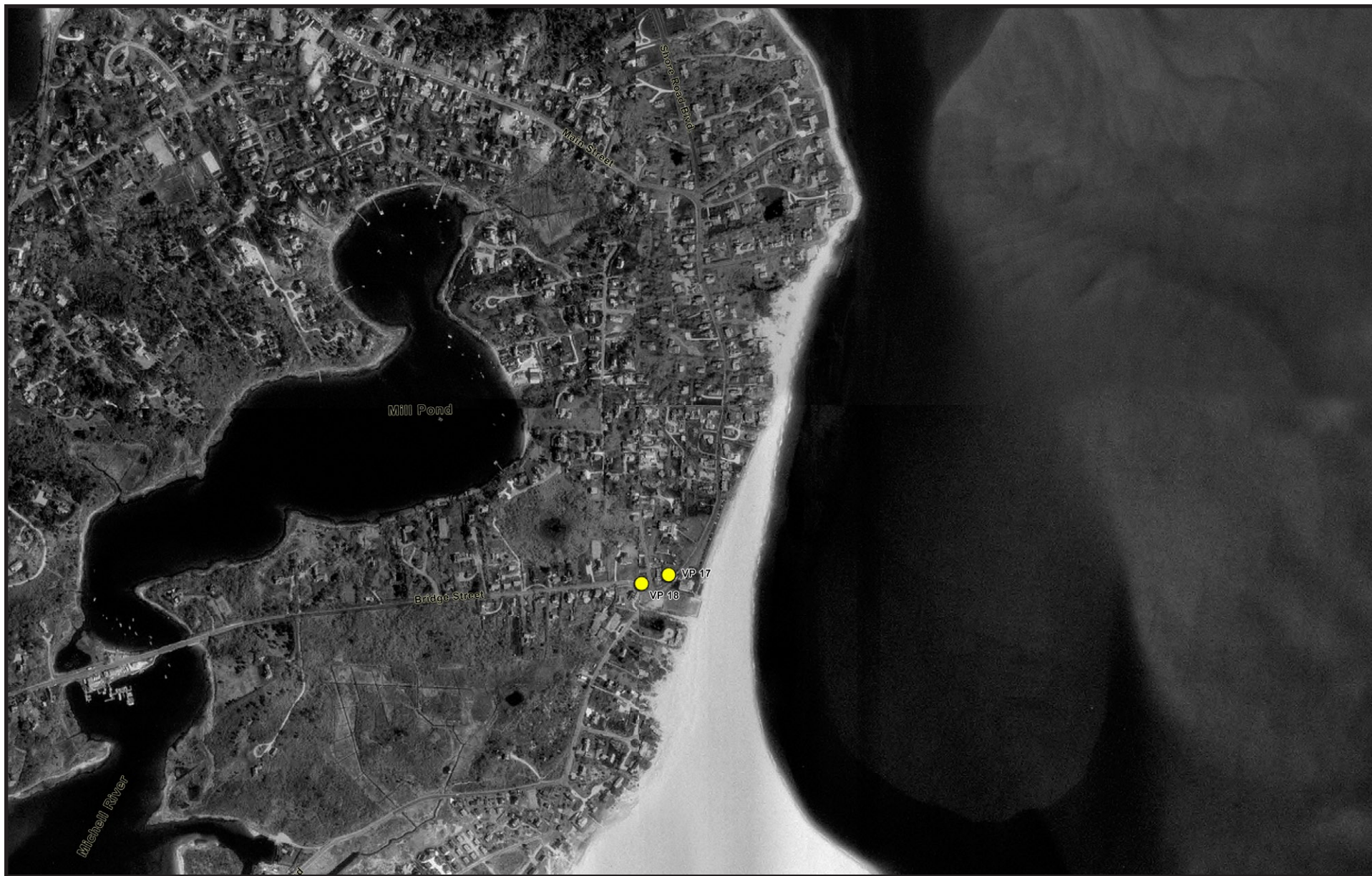
Viewpoint 8 - Hyannis Port, Cape Cod

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Chatham

Prepared for:



Figure 5.10-2 Sheet 24 of 64 Character Photo Locations

Viewpoint 8 - Hyannis Port, Cape Cod

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 8-C1



Viewpoint 8-C2



Viewpoint 8-C2



Viewpoint 8-C3



Viewpoint 8-C4



Viewpoint 8-C4

Prepared for:



Figure 5.10-2 Sheet 25 of 64
 Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
 Cape Wind

Prepared by:



9/22/03



Viewpoint 8-C5



Viewpoint 8-C5



Viewpoint 9-C6 - Hyannis Port Historic District (elevated)



Viewpoint 9-C6



Viewpoint 8-C7



Viewpoint 8-C7

Prepared for:



Figure 5.10-2 Sheet 26 of 64
 Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
 Cape Wind

Prepared by:



9/22/03



Viewpoint 8-C8



Viewpoint 8-C9



Viewpoint 8-C10



Viewpoint 8-C11



Viewpoint 8-C12



Viewpoint 8-C12

Prepared for:



Figure 5.10-2 Sheet 27 of 64
Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 8-CE-14 Hyannis Port Historic District
MCH NO. BRN.E Representative Properties (Similar to Kennedy Compound BRN.AJ)



Viewpoint 10-CE-1 Captian Alexander Crocker House
MCH No. BRN.607 358 Sea Street, Hyannis



Viewpoint 10-CE-2 Southerly View Across BRN.607
No open view toward Wind Park



Viewpoint 11-CE-1 Representative Property in Bass River Historic District
MCH No. YAR.H 162 Old Main Street, South Yarmouth No open view toward Wind Park.



Viewpoint 12-CE-1 Judith Baker Windmill
MCH No. YAR.901 River Street at Willow Street, Yarmouth



Viewpoint 12-CE-1 Southwesterly View From
MCH No. YAR.901 Judith Baker Windmill

Prepared for:



Figure 5.10-2 Sheet 28 of 64
Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 13-CE-1 West Dennis Grade School
MCH NO. DEN.283 67 School Street, Dennis - No open view toward Wind Park



Viewpoint 14-CE-1 Captain James Berry House
MCH NO. HRW.221 37 Main Street, Harwich - No open view toward Wind Park



Viewpoint 15-CE-1 Snow Inn at Wychmere Harbor
Not a designated Historic Property Harwich Port



Viewpoint 15-CE-2 Wychmere Harbor Club
Not a designated Historic Property Harwich Port



Viewpoint 15-CE-3 Southwesterly View from Snow Inn
Open view toward Wind Park



Viewpoint 16-CE-1 South Harwich Methodist Church
MHC No. HRW.382 270 Chatham Road, Harwich

Prepared for:



Figure 5.10-2 Sheet 29 of 64
Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 16-CE-2 Southwesterly view from HRW. 382
No open view toward Wind Park



Viewpoint 17 Southwesterly view toward Chatham Light Station
MCH NO. CHA.LH Main Street, Chatham No open view toward Wind Park



Viewpoint 18 Old Village Historic District
MCH NO. CHA.W Along Bearse / Bridge Street



Viewpoint 18 Representative Properties in CHA.W
Bridge Street, Chatham Open view toward Wind Park

Prepared for:



Figure 5.10-2 Sheet 30 of 64
Character Photos Near Viewpoint 8 - Hyannis Port, Cape Cod
Cape Wind

Prepared by:



9/22/03



Viewpoint 26 - C - 1
 Representative Property in Monomoy, Chatham
 MHC No. CHA.927



Viewpoint 26
 Existing View West Toward Proposed Project

Prepared for:

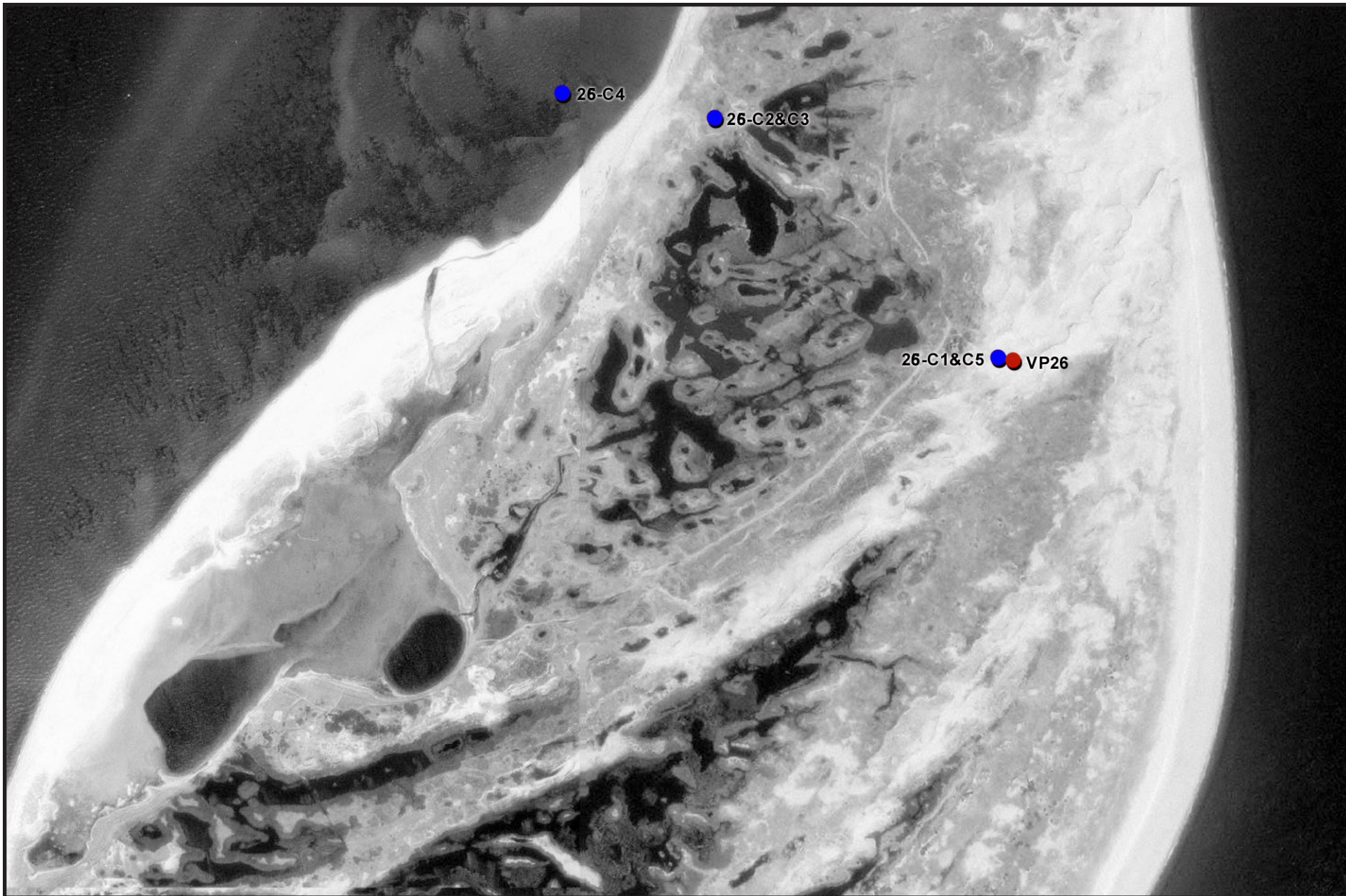


Figure 5.10-2 Sheet 31 of 64
Viewpoint 26 - Monomoy Point, Chatham, Cape Cod
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 32 of 64 Character Photo Locations

Viewpoint 26 - Monomoy Point, Chatham, Cape Cod

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 26-C1



Viewpoint 26-C2



Viewpoint 26-C3



Viewpoint 26-C4



Viewpoint 26-C5

Prepared for:



Figure 5.10-2 Sheet 33 of 64
 Character Photos Near Viewpoint 26 - Monomoy Point, Chatham
 Cape Wind

Prepared by:



9/22/03



Viewpoint 19
 View of Representative Historic Structure
 Cape Poge Lighthouse
 MHC No. EDG.900



Viewpoint 19
 View North-East Toward Proposed Project

Prepared for:



Figure 5.10-2 Sheet 34 of 64

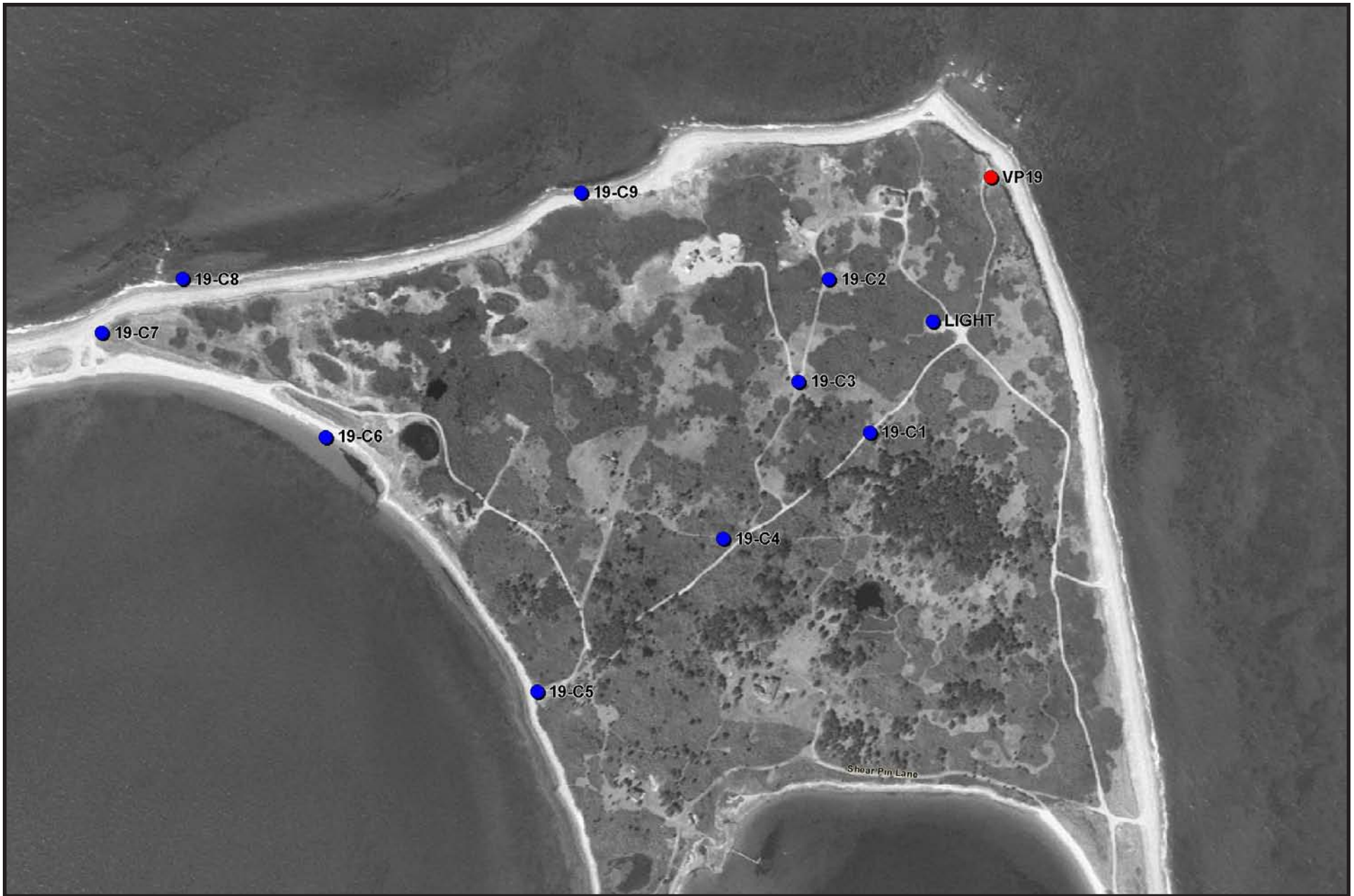
Viewpoint 19 - Cape Poge, Martha's Vineyard

Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 35 of 64 Character Photo Locations

Viewpoint 19 - Cape Poge, Martha's Vineyard

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 19-C1



Viewpoint 19-C2



Viewpoint 19-C2



Viewpoint 19-C3



Viewpoint 19-C4



Viewpoint 19-C5

Prepared for:



Character Photos Near Viewpoint 19 - Cape Poge, Martha's Vineyard

Cape Wind

Figure 5.10-2 Sheet 36 of 64

Prepared by:



9/22/03



Viewpoint 19-C6



Viewpoint 19-C7



Viewpoint 19-C8



Viewpoint 19-C9



Viewpoint 19-C9

Prepared for:



Character Photos Near Viewpoint 19 - Cape Poge, Martha's Vineyard
Cape Wind

Figure 5.10-2 Sheet 37 of 64

Prepared by:



9/22/03



Viewpoint 20

View of Representative Historic Structure in
Edgartown Historic District
MHC No. EDG.901



Viewpoint 20

Existing View North-East Toward Proposed Project

Prepared for:



Figure 5.10-2 Sheet 38 of 64
Viewpoint 20 - Edgartown, Martha's Vineyard
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 39 of 64 Character Photo Locations

Viewpoint 20 - Edgartown, Martha's Vineyard

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 20-C1



Viewpoint 20-C2



Viewpoint 20-C3



Viewpoint 20-C4



Viewpoint 20-C4



Viewpoint 20-C5

Prepared for:



Figure 5.10-2 Sheet 40 of 64
 Character Photos Near Viewpoint 20 - Edgartown, Martha's Vineyard
 Cape Wind

Prepared by:



9/22/03



Viewpoint 20-C6



Viewpoint 20-C6



Viewpoint 20-C7



Viewpoint 20-C8



Viewpoint 20-C9



Viewpoint 20-C10

Prepared for:



Figure 5.10-2 Sheet 41 of 64
Character Photos Near Viewpoint 20 - Edgartown, Martha's Vineyard
Cape Wind

Prepared by:



9/22/03



Viewpoint 20-C11



Viewpoint 20-C11



Viewpoint 20-C12



Viewpoint 20-C13



Viewpoint 20-C14



Viewpoint 20-C15

Prepared for:



Figure 5.10-2 Sheet 42 of 64
 Character Photos Near Viewpoint 20 - Edgartown, Martha's Vineyard
 Cape Wind

Prepared by:



9/22/03



Viewpoint 20-C16



Viewpoint 20-C17



Viewpoint 20-C18



Viewpoint 20-C18



Viewpoint 20-C19



Viewpoint 20-C20

Prepared for:



Figure 5.10-2 Sheet 43 of 64
Character Photos Near Viewpoint 20 - Edgartown, Martha's Vineyard
Cape Wind

Prepared by:



9/22/03



Viewpoint 20-C21



Viewpoint 20-C22



Viewpoint 20-C23



Viewpoint 20-C24



Viewpoint 20-C25



Viewpoint 20-C25

Prepared for:



Figure 5.10-2 Sheet 44 of 64
Character Photos Near Viewpoint 20 - Edgartown, Martha's Vineyard
Cape Wind

Prepared by:



9/22/03



Viewpoint 21 (Photo 21-CE)
 Dr. Harrison Tucker Cottage
 65 (formerly 42) Ocean Avenue
 MHC No. OAK.637



Viewpoint 21
 Existing View East Toward Proposed Project
 Ocean Park, Just North of Tucker Cottage

Prepared for:

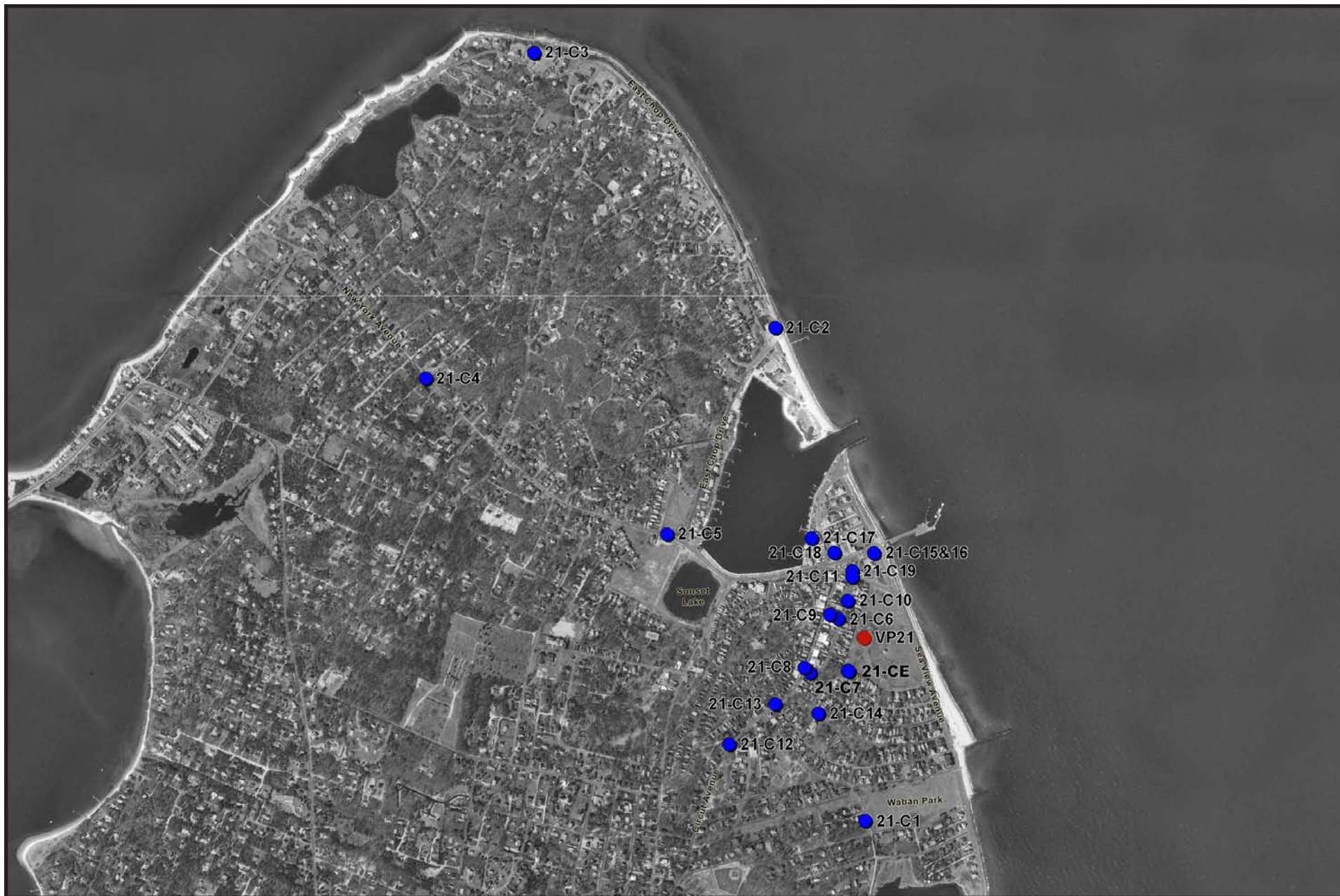


Figure 5.10-2 Sheet 45 of 64
Viewpoint 21 - Oak Bluffs, Martha's Vineyard
Cape Wind

Prepared by:



5/3/04



Prepared for:



Figure 5.10-2 Sheet 46 of 64 Character Photo Locations

Viewpoint 21 - Oak Bluffs, Martha's Vineyard

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 21-C1



Viewpoint 21-C2



Viewpoint 21-C3



Viewpoint 21-C3



Viewpoint 21-C4



Viewpoint 21-C5

Prepared for:



Character Photos Near Viewpoint 21 - Oak Bluffs, Martha's Vineyard
Cape Wind

Figure 5.10-2 Sheet 47 of 64

Prepared by:



9/22/03



Viewpoint 21-C6



Viewpoint 21-C7



Viewpoint 21-C8



Viewpoint 21-C9



Viewpoint 21-C9



Viewpoint 21-C10

Prepared for:



Character Photos Near Viewpoint 21 - Oak Bluffs, Martha's Vineyard
Cape Wind

Figure 5.10-2 Sheet 48 of 64

Prepared by:



9/22/03



Viewpoint 21-C11



Viewpoint 21-C12



Viewpoint 21-C13



Viewpoint 21-C14



Viewpoint 21-C14



Viewpoint 21-C15

Prepared for:



Character Photos Near Viewpoint 21 - Oak Bluffs, Martha's Vineyard
Cape Wind

Figure 5.10-2 Sheet 49 of 64

Prepared by:



9/22/03



Viewpoint 21-C15



Viewpoint 21-C16



Viewpoint 21-C17



Viewpoint 21-C18



Viewpoint 21-C19

Prepared for:



Character Photos Near Viewpoint 21 - Oak Bluffs, Martha's Vineyard
Cape Wind

Figure 5.10-2 Sheet 50 of 64

Prepared by:



9/22/03



Viewpoint 22 - Cliffs North of Nantucket Village
Existing View North-West Toward Proposed Project

Prepared for:

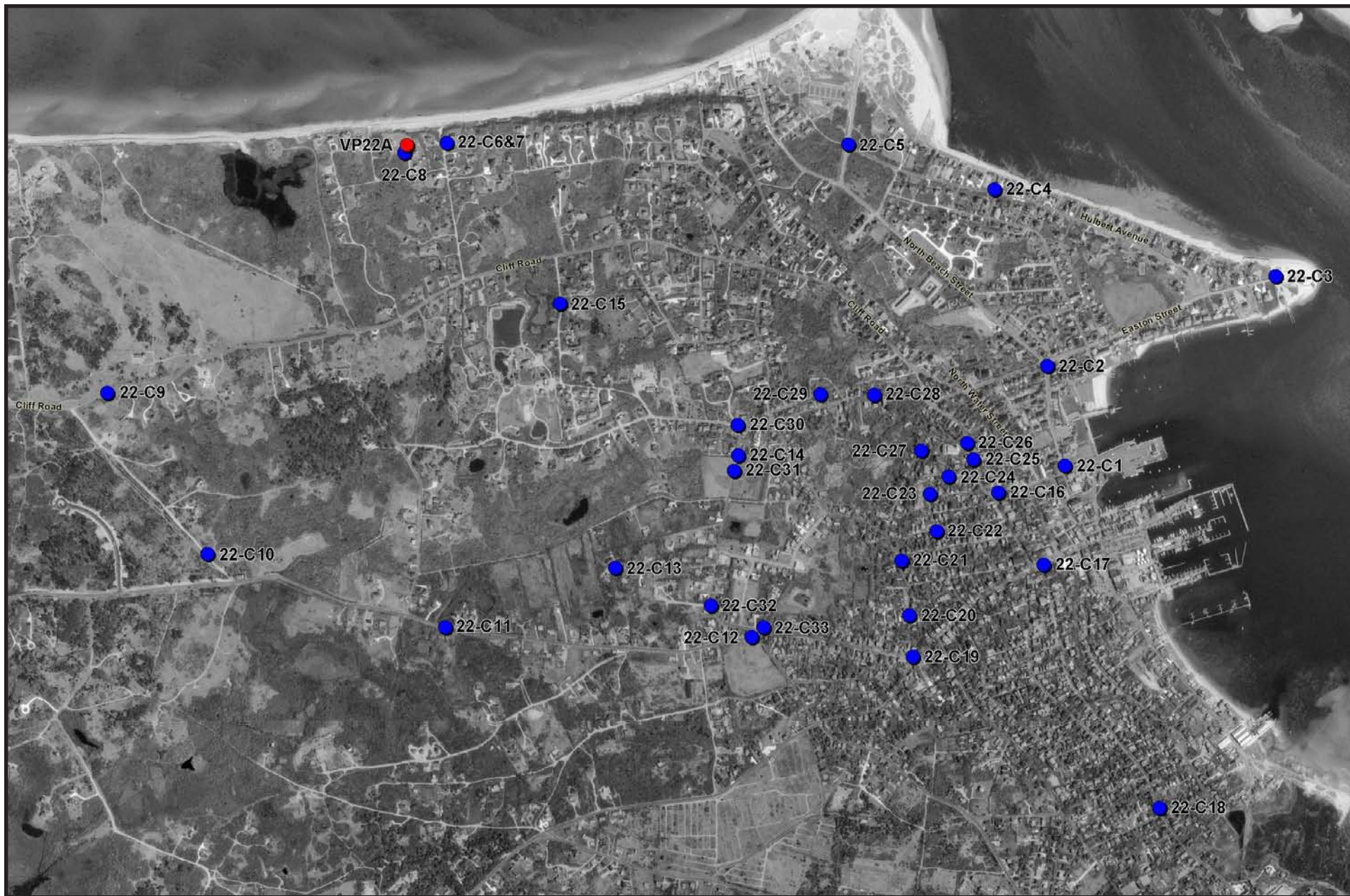


Figure 5.10-2 Sheet 51 of 64
Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 52 of 64 Character Photo Locations

Viewpoint 22 - Nantucket Village

Cape Wind

- - Character Photo Location
- - Viewpoint Photo Location (simulated)
- - Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 22-C1



Viewpoint 22-C2



Viewpoint 22-C3



Viewpoint 22-C3



Viewpoint 22-C4



Viewpoint 22-C5

Prepared for:



Figure 5.10-2 Sheet 53 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Viewpoint 22-C6



Viewpoint 22-C7



Viewpoint 22-C8



Viewpoint 22-C9



Viewpoint 22-C10



Viewpoint 22-C11

Prepared for:



Figure 5.10-2 Sheet 54 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Viewpoint 22-C12



Viewpoint 22-C13



Viewpoint 22-C14



Viewpoint 22-C15



Viewpoint 22-C16



Viewpoint 22-C17

Prepared for:



Figure 5.10-2 Sheet 55 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Viewpoint 22-C18



Viewpoint 22-C19



Viewpoint 22-C20



Viewpoint 22-C21



Viewpoint 22-C21



Viewpoint 22-C22

Prepared for:



Figure 5.10-2 Sheet 56 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Viewpoint 22-C23



Viewpoint 22-C24



Viewpoint 22-C25



Viewpoint 22-C26



Viewpoint 22-C27



Viewpoint 22-C28

Prepared for:



Figure 5.10-2 Sheet 57 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



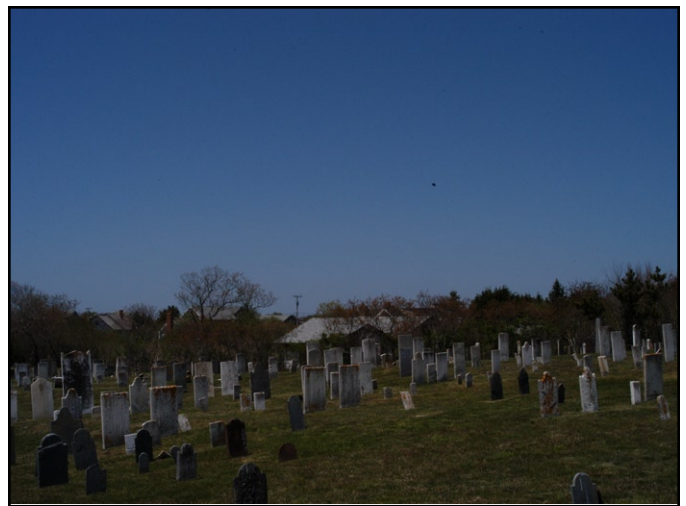
Viewpoint 22-C29



Viewpoint 22-C29



Viewpoint 22-C30



Viewpoint 22-C31



Viewpoint 22-C32



Viewpoint 22-C33

Prepared for:



Figure 5.10-2 Sheet 58 of 64

Character Photos Near Viewpoint 22 - Nantucket Village
Cape Wind

Prepared by:



9/22/03



Viewpoint 23 - C-3
Representative Property at Great Point, Nantucket



Viewpoint 23
Existing View North-West Toward Proposed Project

Prepared for:

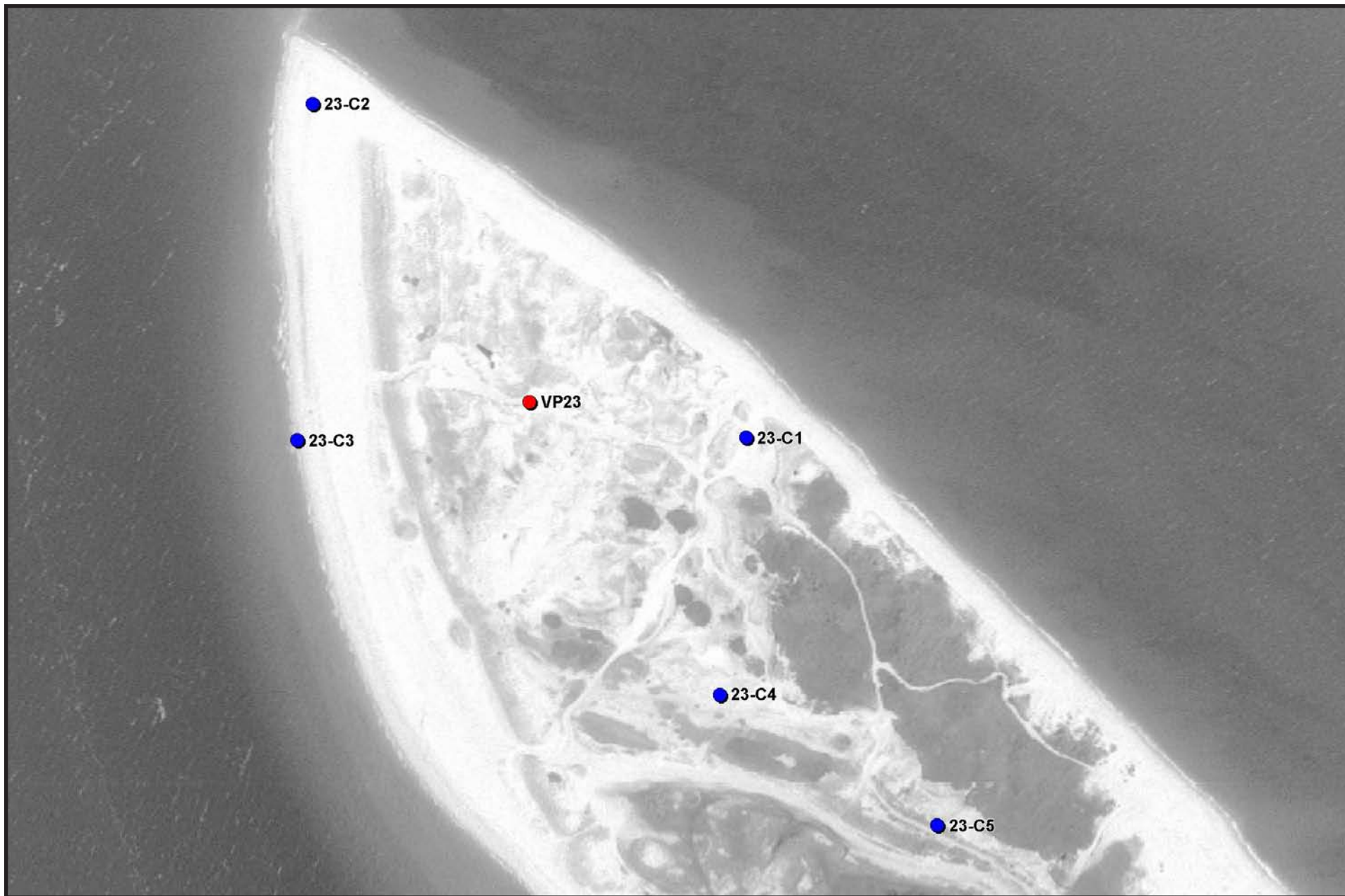


Figure 5.10-2 Sheet 59 of 64
Viewpoint 23 - Great Point, Nantucket
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 60 of 64 Character Photo Locations

Viewpoint 23 - Great Point, Nantucket

Cape Wind



- Character Photo Location



- Viewpoint Photo Location (simulated)



- Viewpoint Photo Location (not simulated)

Prepared by:





Viewpoint 23-C1



Viewpoint 23-C2



Viewpoint 23-C3



Viewpoint 23-C4



Viewpoint 23-C5

Prepared for:



Figure 5.10-2 Sheet 61 of 64
Character Photos Near Viewpoint 23 - Great Point, Nantucket
Cape Wind

Prepared by:



9/22/03



Viewpoint 24
Property on Tuckernuck Island, Nantucket



Viewpoint 24
Existing View North Toward Proposed Project

Prepared for:



Figure 5.10-2 Sheet 62 of 64
Viewpoint 24 - Tuckernuck Island, Nantucket
Cape Wind

Prepared by:



9/22/03



Prepared for:



Figure 5.10-2 Sheet 63 of 64 Character Photo Locations

Viewpoint 24 - Tuckernuck Island, Nantucket

Cape Wind



- Character Photo Location



- Viewpoint Photo Location (simulated)



- Viewpoint Photo Location (not simulated)

Prepared by:



9/22/03



Viewpoint 24-C1



Viewpoint 24-C2



Viewpoint 24-C3

Prepared for:



Character Photos Near Viewpoint 24 - Tuckernuck Island, Nantucket
Cape Wind

Figure 5.10-2 Sheet 64 of 64

Prepared by:



9/22/03

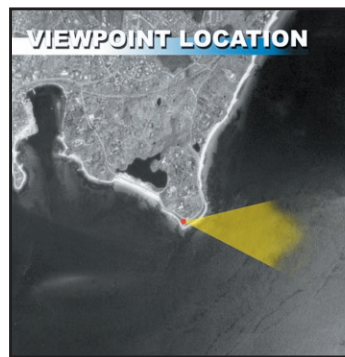
PROPOSED VIEW



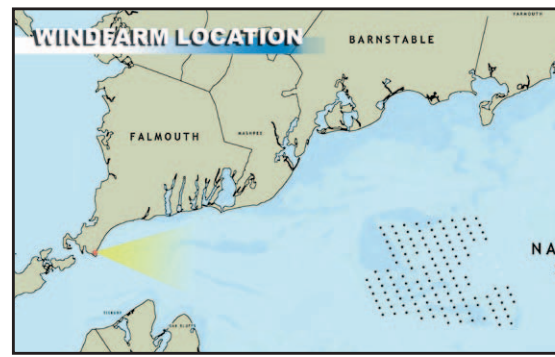
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

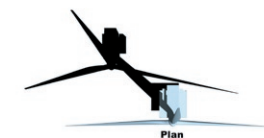
Viewpoint Name	Nobska Lighthouse
Viewpoint #	1
Viewpoint Location	41° 30' 56.80"N 70° 39' 18.28"W
Percentage of Total Turbines Visible	100%
Date Taken	1/22/2003
Time	11:53 AM
Temperature & Visibility	-7° C 19° F Clear
Direction of View	3° South of East
Field Of View	40.115°
Focal Length	49.3mm
Closest Turbine	14.13 miles
Furthest Turbine	21.66 miles
Camera Elevation	55.74'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 35mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R-77 G-184 B-215)
Height to Hub	240'
Hub Diameter	13.5'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	180' X 200' X 100'
Airway Warning Lights	FAA LRGAL865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 1

Nobska Lighthouse

Falmouth, Cape Cod

November 2003

Prepared By:



Figure 5.10-3 Sheet 1 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



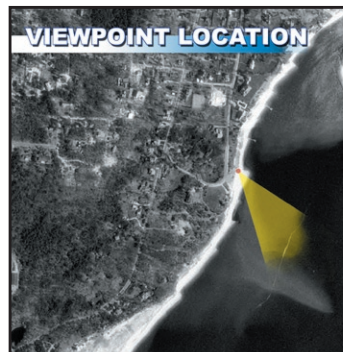
PROPOSED VIEW



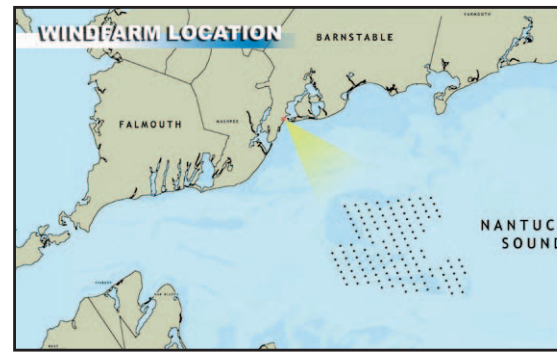
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



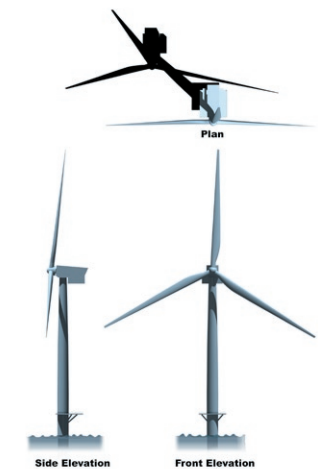
INFORMATION

Viewpoint Specific Data	
Viewpoint Name	Cotuit
Viewpoint #	5
Viewpoint Location	41° 36' 22.64" N 70° 26' 13.70" W
Percentage of Total Turbines Visible	95%
Date Taken	1/22/2003
Time	1:47pm
Temperature & Visibility	-7° C 19° F Clear
Direction of View	41° East of South
Field Of View	40.72°
Focal Length	48.5mm
Closest Turbine	6.08 miles
Farthest Turbine	14.2 miles
Camera Elevation	9.90'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Simulated at 35mm equivalent

Model Dimensions and Data	
Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of EGP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 5

Cotuit Barnstable, Cape Cod

November 2003

Prepared By:



Figure 5.10-3 Sheet 2 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
Energy for Life.

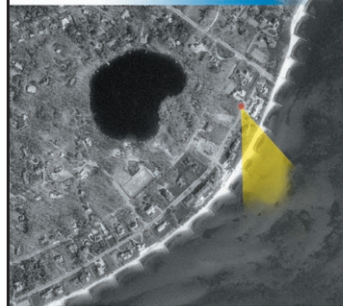
PROPOSED VIEW



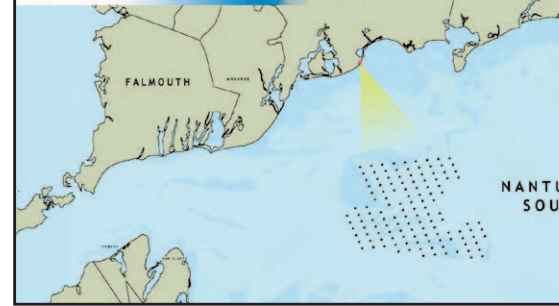
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

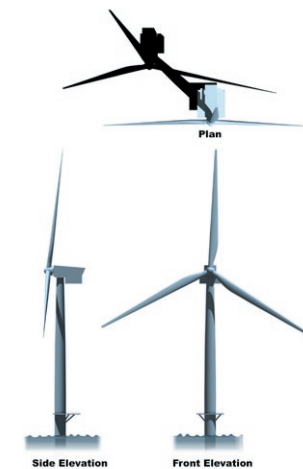
Viewpoint Name	Wianno
Viewpoint #	6
Viewpoint Location	41° 37' 01.10" N 70° 22' 12.67" W
Percentage of Total Turbines Visible	91%
Date Taken	1/22/2003
Time	4:28pm
Temperature & Visibility	-10° C - 14° F Clear
Direction of View	20° East of South
Field Of View	39.365°
Focal Length	49.5mm
Closest Turbine	5.67 miles
Farthest Turbine	12.63 miles
Camera Elevation	20.59'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 35mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of EGP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 6

Wianno

Barnstable, Cape Cod

November 2003

Prepared By:



Figure 5.10-3 Sheet 3 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

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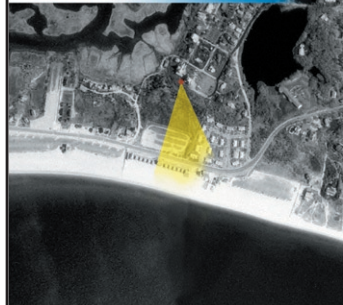
PROPOSED VIEW



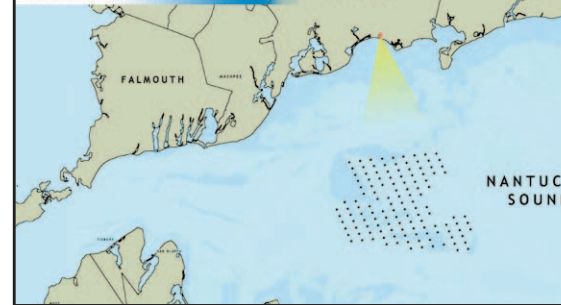
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

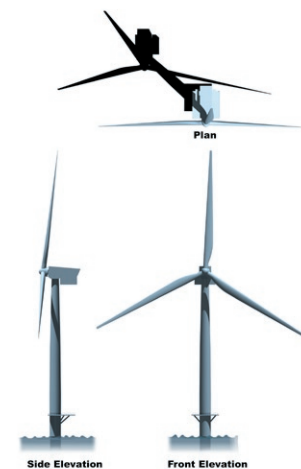
Viewpoint Name	Craigville
Viewpoint #	7
Viewpoint Location	41° 58' 17.74" N 70° 20' 9.09" W
Percentage of Total Turbines Visible	95%
Date Taken	1/21/2003
Time	1:10pm
Temperature & Visibility	-6° C 21° F Clear
Direction of View	7° East of South
Field Of View	30.236
Focal Length	50.5mm
Closest Turbine	6.99 miles
Furthest Turbine	13.03 miles
Camera Elevation	34.57

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Simulated at 30mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA LS64L865 LS10
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 7

Craigville

Barnstable, Cape Cod

November 2003

Prepared By:



Figure 5.10-3 Sheet 4 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



PROPOSED VIEW



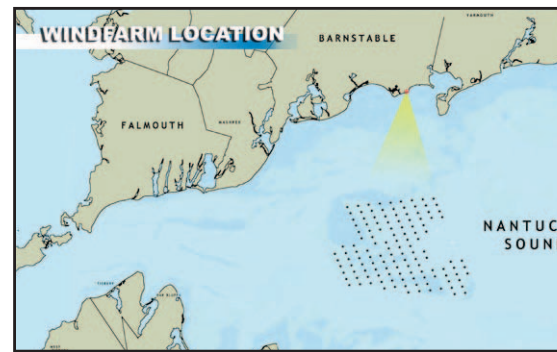
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

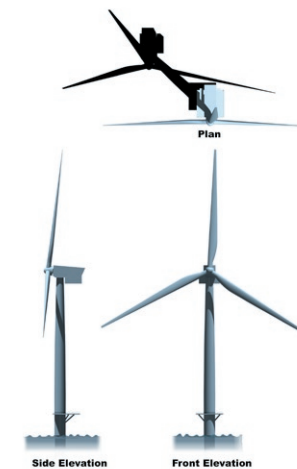
Viewpoint Name	Hyannis Port
Viewpoint #	8
Viewpoint Location	41° 37' 46.66" N 70° 18' 14.59" W
Percentage of Total Turbines Visible	97%
Date Taken	1/21/2003
Time	11:12am
Temperature & Visibility	-7° C 19° F Clear
Direction of View	3° West of South
Field Of View	42.323°
Focal Length	46.5mm
Closest Turbine	6.216 miles
Farthest Turbine	11.09 miles
Camera Elevation	32.44'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Simulated at 35mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of EOP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 8

Hyannis-Port

Barnstable, Cape Cod

November 2003

Prepared By:



Figure 5.10-3 Sheet 5 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

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Energy for Life.

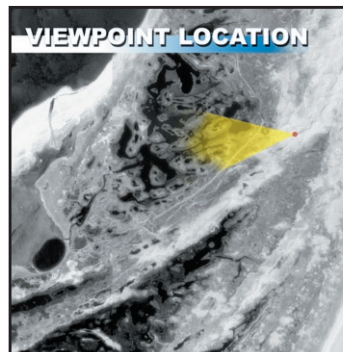
PROPOSED VIEW



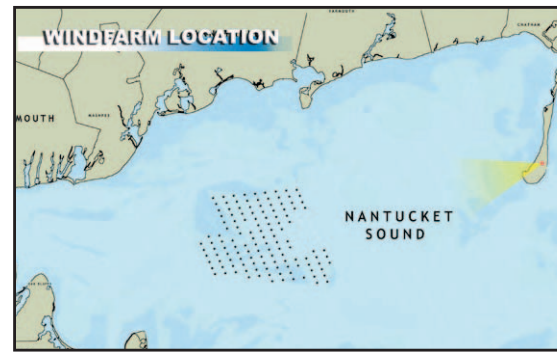
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



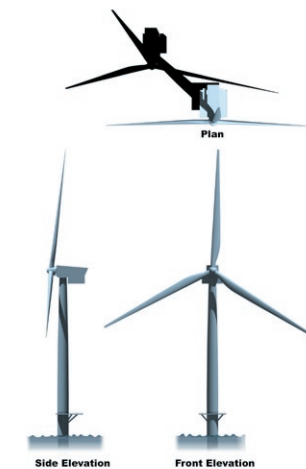
INFORMATION

Viewpoint Specific Data		
Viewpoint Name	Monomey	
Viewpoint #	26	
Viewpoint Location	41° 33' 32.57" N 69° 59' 31.48" W	
Percentage of Total Turbines Visible	96%	
Date Taken	6/10/2003	
Time	10:12am	
Temperature & Visibility	21° C 70° F Clear	
Direction of View	5° South of West	
Field Of View	40.7°	
Focal Length	46.5mm	
Closest Turbine	13.9 miles	
Farthest Turbine	20.0 miles	
Camera Elevation	30.07'	

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Simulated in 30mm equivalent

Model Dimensions and Data	
Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 26
Falmouth, Cape Cod

November 2003
Prepared By:



Figure 5.10-3 Sheet 6 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
Energy for Life.

PROPOSED VIEW



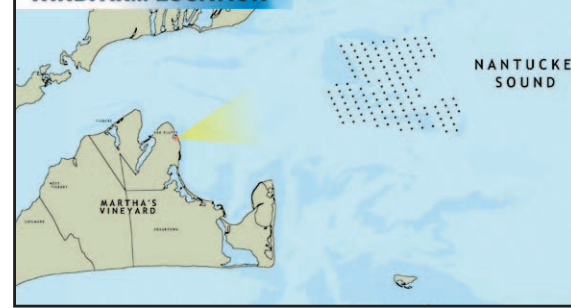
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

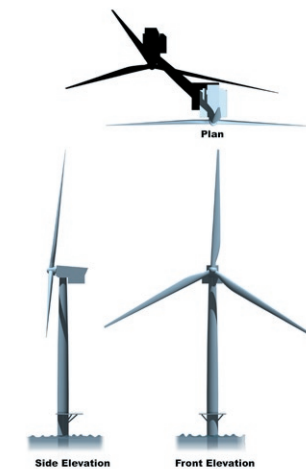
Viewpoint Name	Oak Bluffs
Viewpoint #	21
Viewpoint Location	41° 27' 20.09" N 70° 33' 23.92" W
Percentage of Total Turbines Visible	100%
Date Taken	2/6/2003
Time	3:00pm
Temperature & Visibility	-2° C 28° F Clear
Direction of View	76° East of North
Field Of View	40.65°
Focal Length ¹	48.6mm
Closest Turbine	9.35 miles
Farthest Turbine	16.63 miles
Camera Elevation	54.40'

¹Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, reflection could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

²Measured in 30mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 21

Oak Bluffs

Martha's Vineyard

November 2003

Prepared By:



Figure 5.10-3 Sheet 7 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



PROPOSED VIEW



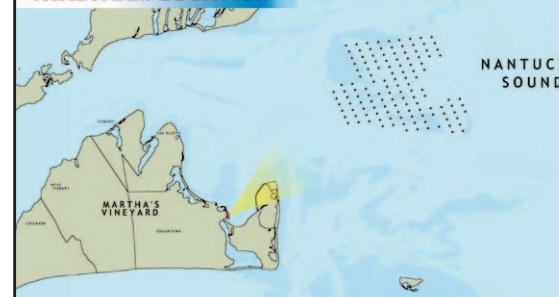
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

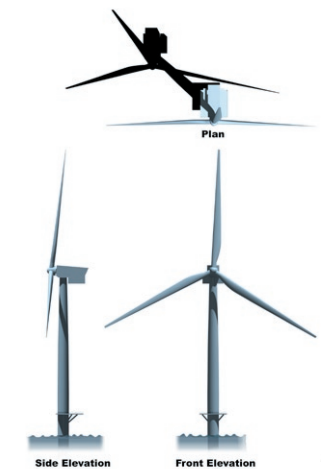
Viewpoint Name	Edgartown
Viewpoint #	20
Viewpoint Location	41° 23' 26.27" N 70° 30' 11.29" W
Percentage of Total Turbines Visible	100%
Date Taken	10/26/2003
Time	2:06pm
Temperature & Visibility	2° C 35° F Clear
Direction of View	53° East of North
Field Of View	41.35°
Focal Length	47.7mm
Closest Turbine	8.82 miles
Farthest Turbine	15.78 miles
Camera Elevation	35.57'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 3D wireframe

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of EOP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 20

Edgartown

Martha's Vineyard

November 2003

Prepared By:



Figure 5.10-3 Sheet 8 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



PROPOSED VIEW



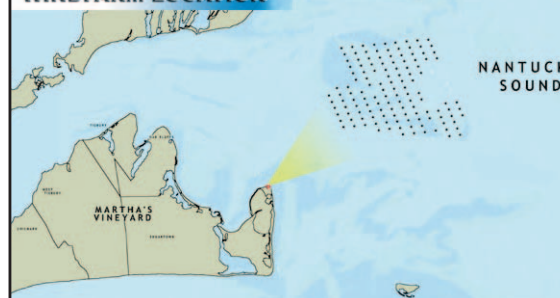
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

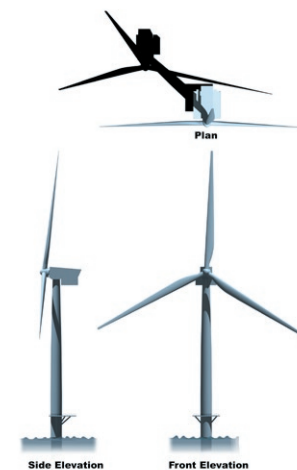
Viewpoint Name	Cape Poge
Viewpoint #	19
Viewpoint Location	41° 25' 12.64" N 70° 27' 4.57" W
Percentage of Total Turbines Visible	85%
Date Taken	2/5/2003
Time	2:14pm
Temperature & Visibility	3° C 37° F Clear
Direction of View	52° East of North
Field Of View	40.645°
Focal Length	48.6mm
Closest Turbine	5.43 miles
Furthest Turbine	12.37 miles
Camera Elevation	56.77'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed at 30mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	36'
Bounding Dim. of ESP (LxWxH)	160' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 19

Cape Poge

Martha's Vineyard

November 2003

Prepared By:



Figure 5.10-3 Sheet 9 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



PROPOSED VIEW



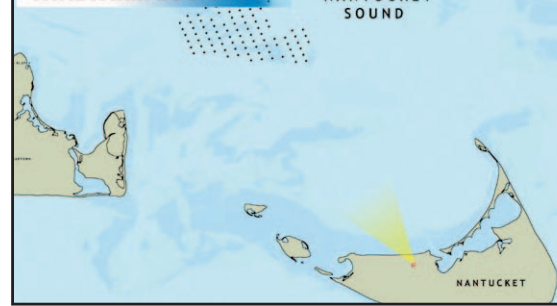
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

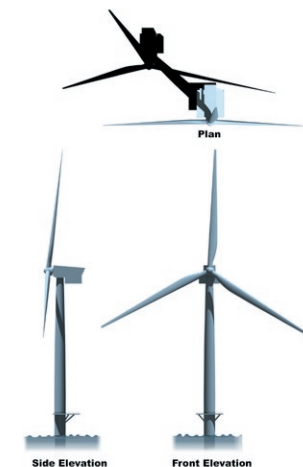
Viewpoint Name	Nantucket
Viewpoint #	22
Viewpoint Location	41° 17' 14.18"N 70° 07' 8.40"W
Percentage of Total Turbines Visible	100%
Date Taken	3/19/2003
Time	11:01am
Temperature & Visibility	2° C 36° F Clear
Direction of View	47° West of North
Field Of View	44°
Focal Length	44.5mm
Closest Turbine	13.6 miles
Farthest Turbine	21.4 miles
Camera Elevation	44.61'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 3D wireframe

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 22

Nantucket

Nantucket

November 2003

Prepared By:



Figure 5.10-3 Sheet 10 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

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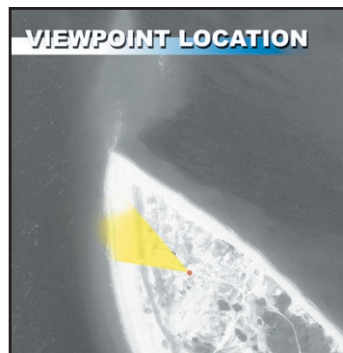
PROPOSED VIEW



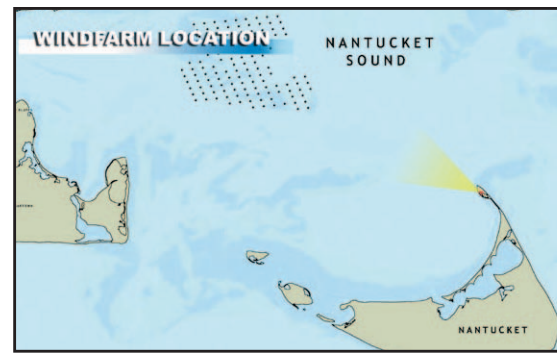
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

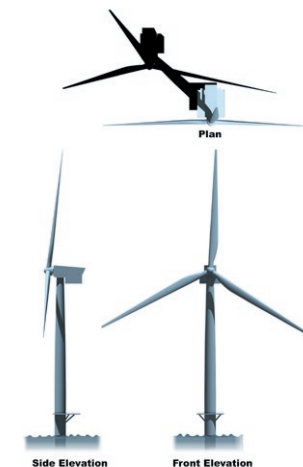
Viewpoint Name	Great Point
Viewpoint #	23
Viewpoint Location	41° 23' 22.95" N 73° 02' 52.17" W
Percentage of Total Turbines Visible	100%
Date Taken	3/19/2003
Time	2:55pm
Temperature & Visibility	2° C 35° F Clear
Direction of View	29° North of West
Field Of View	40.7°
Focal Length	48.5mm
Closest Turbine	11.2 miles
Farthest Turbine	19.5 miles
Camera Elevation	16.29'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, reflection could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 3Dmm perspective

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 23

Great Point

Nantucket

November 2003

Prepared By:



Figure 5.10-3 Sheet 11 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
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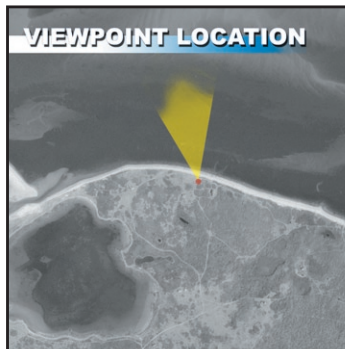
PROPOSED VIEW



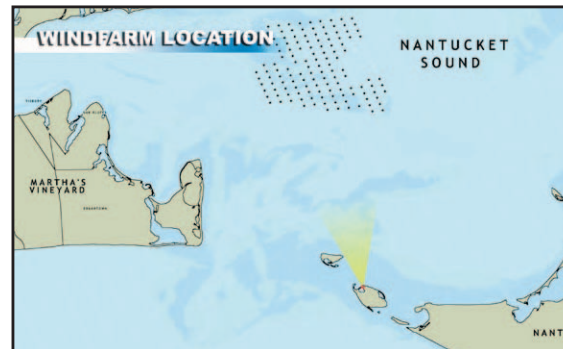
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

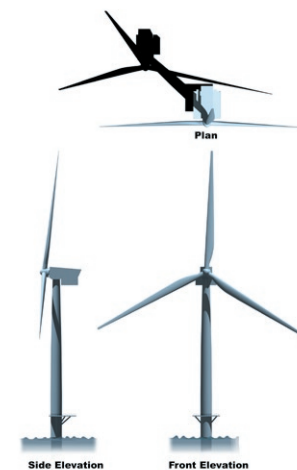
Viewpoint Name	Tuckernuck Island
Viewpoint #	24
Viewpoint Location	41° 18' 39.41" N 70° 15' 44.85" W
Percentage of Total Turbines Visible	97%
Date Taken	5/20/2003
Time	7:27 PM
Temperature & Visibility	13° C 56° F Partly Cloudy
Direction of View	35° West of North
Field Of View	38.7°
Focal Length	51.2 mm
Closest Turbine	10.387 miles
Furthest Turbine	16.4 miles
Camera Elevation	23.95

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Discussed in 30min discussion

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.3'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights



Viewpoint 24

Tuckernuck Island Nantucket.

November 2003

Prepared By:



Figure 5.10-3 Sheet 12 of 12

Daytime Visual Simulation of Proposed Wind Park

Prepared For:



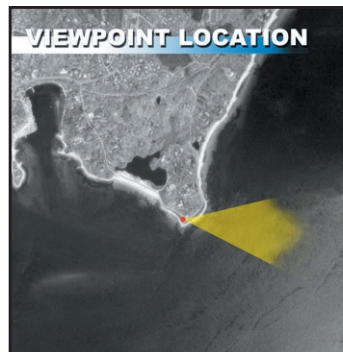
Simulated Nighttime View



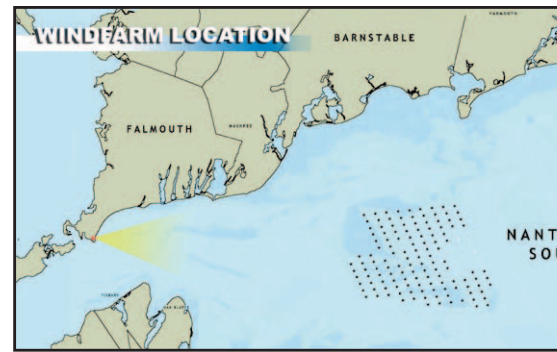
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Nobska Lighthouse
Viewpoint #	1
Viewpoint Location	41° 30' 56.80" N 70° 30' 18.28" W
Percentage of Total Turbines Visible	100%
Date Taken	1/22/2003
Time	6:15 PM
Temperature & Visibility	-10° C 13° F Clear
Direction of View	3° South of East
Field Of View	40.115°
Focal Length	49.3mm
Closest Turbine	14.13 miles
Farthest Turbine	21.68 miles
Camera Elevation	55.7'

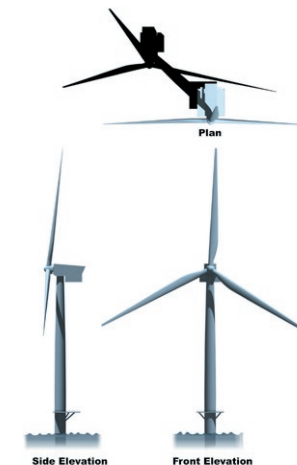
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 1

Nobska Lighthouse

Falmouth, Cape Cod

September 2003

Prepared By:



Figure 5.10-4 Sheet 1 of 11

Nighttime Visual Simulation of Proposed Wind Park

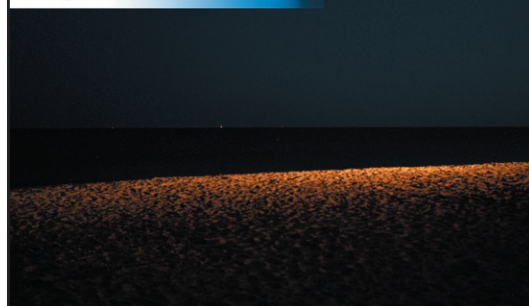
Prepared For:



Simulated Nighttime View



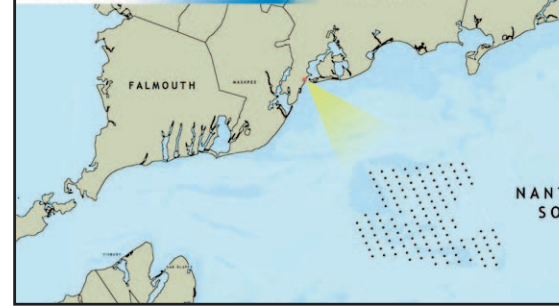
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

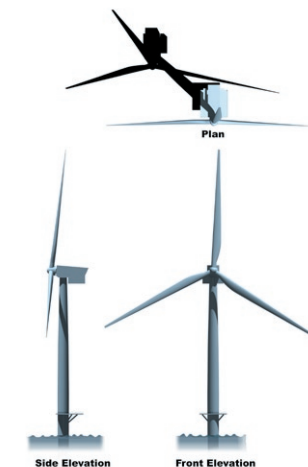
Viewpoint Specific Data	
Viewpoint Name	Cotuit
Viewpoint #	5
Viewpoint Location	41° 36' 22.64" N 70° 26' 13.70" W
Percentage of Total Turbines Visible	95%
Date Taken	6/9/2003
Time	8:29 PM
Temperature & Visibility	18° C 65° F Clear
Direction of View	41° East of South
Field Of View	40.87°
Focal Length	46.3mm
Closest Turbine	6.08 miles
Farthest Turbine	14.2 miles
Camera Elevation	9.6'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 3D wireframe

Model Dimensions and Data	
Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 5

Cotuit

Barnstable, Cape Cod

September 2003

Prepared By:

EDR

Figure 5.10-4 Sheet 2 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
Energy for Life.

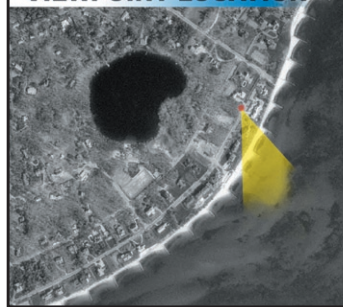
Simulated Nighttime View



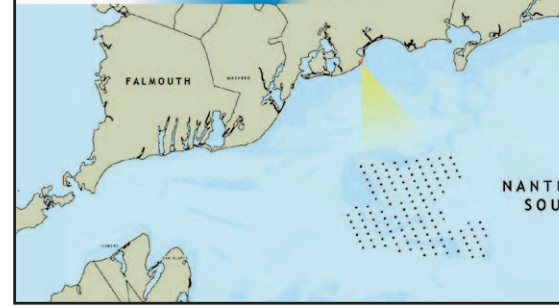
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Wianno Area
Viewpoint #	6
Viewpoint Location	41° 37' 01.10" N 70° 22' 12.67" W
Percentage of Total Turbines Visible	91%
Date Taken	1/22/2003
Time	9:43 PM
Temperature & Visibility	-13° C 8° F Clear
Direction of View	20° East of South
Field Of View	39.365°
Focal Length	49.5mm
Closest Turbine	5.67 miles
Farthest Turbine	12.63 miles
Camera Elevation	26.59'

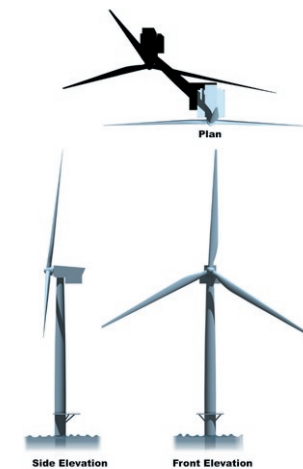
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 6

Wianno

Barnstable, Cape Cod

September 2003

Prepared By:



Figure 5.10-4 Sheet 3 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
Energy for Life.

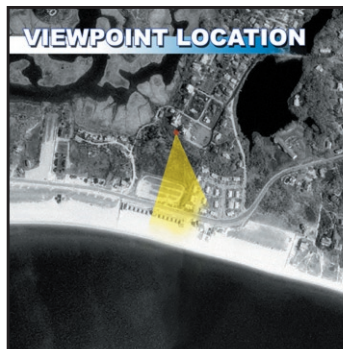
Simulated Nighttime View



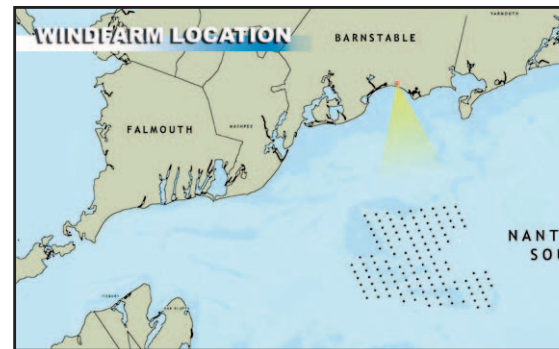
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

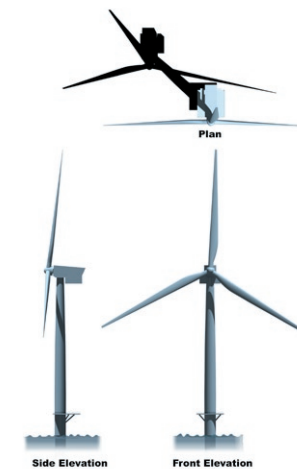
Viewpoint Name	Craigville Area
Viewpoint #	7
Viewpoint Location	41° 38' 17.74" N 70° 20' 9.09" W
Percentage of Total Turbines Visible	95%
Date Taken	1/21/2003
Time	9:06 PM
Temperature & Visibility	-10° C 14° F Clear
Direction of View	7° East of South
Field Of View	39.365°
Focal Length	49.5mm
Closest Turbine	6.99 miles
Farthest Turbine	13.03 miles
Camera Elevation	34.57'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 7

Craigville

Barnstable, Cape Cod

September 2003

Prepared By:



Figure 5.10-4 Sheet 4 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:

Cape Wind™
Energy for Life.

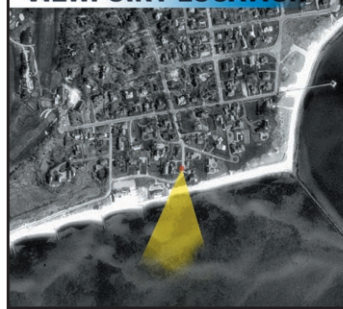
Simulated Nighttime View



EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Hyannis Area
Viewpoint #	8
Viewpoint Location	41° 37' 46.88" N 70° 18' 14.59" W
Percentage of Total Turbines Visible	97%
Date Taken	10/2/2003
Time	10:12 PM
Temperature & Visibility	-12° C 10° F Clear
Direction of View	3° West of South
Field Of View	40.341°
Focal Length	48.5 mm
Closest Turbine	6.216 miles
Farthest Turbine	11.99 miles
Camera Elevation	22.44'

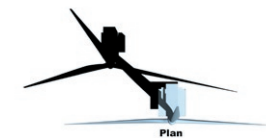
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 35mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R-77 G-194 B-215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	16' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L810
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Plan



Side Elevation



Front Elevation

Viewpoint 8

Hyannis Port

Barnstable, Cape Cod

September 2003

Prepared By:



Figure 5.10-4 Sheet 5 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:



Simulated Nighttime View



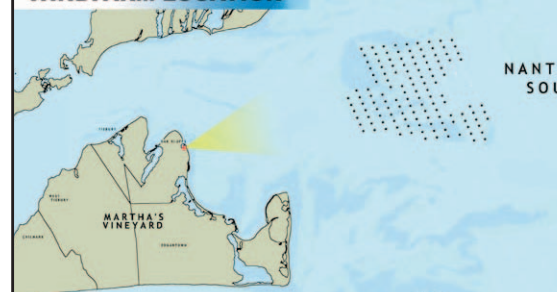
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

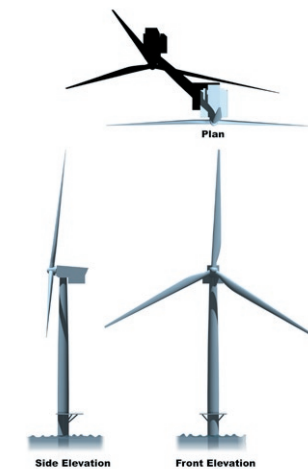
Viewpoint Specific Data	
Viewpoint Name	Oak Bluff Area
Viewpoint #	21
Viewpoint Location	41° 27' 20.88" N 70° 33' 23.92" W
Percentage of Total Turbines Visible	100%
Date Taken	2/6/2003
Time	0:48am
Temperature & Visibility	-3° C 26° F Clear
Direction of View	76° East of North
Field Of View	40.645°
Focal Length	48.6mm
Closest Turbine	9.35 miles
Farthest Turbine	16.63 miles
Camera Elevation	54.7

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data	
Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 21

Oak Bluffs

Martha's Vineyard

September 2003

Prepared By:



Figure 5.10-4 Sheet 6 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:



Simulated Nighttime View



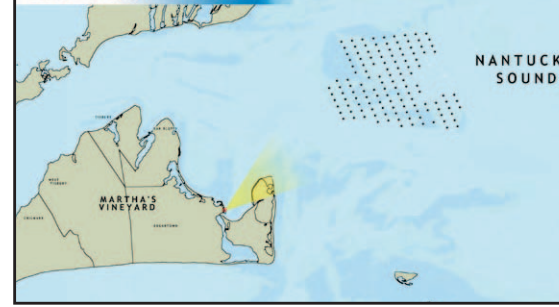
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Edgartown
Viewpoint #	20
Viewpoint Location	41° 23' 26.27" N 70° 30' 11.29" W
Percentage of Total Turbines Visible	100%
Date Taken	2/6/2003
Time	8:14 PM
Temperature & Visibility	-3° C 26° F Overcast
Direction of View	53° East of North
Field Of View	41.19°
Focal Length	47.9mm
Closest Turbine	8.82 miles
Farthest Turbine	15.75 miles
Camera Elevation	35.87'

Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 20

Edgartown

Martha's Vineyard

September 2003

Prepared By:



Figure 5.10-4 Sheet 7 of 11

Nighttime Visual Simulation of Proposed Wind Park

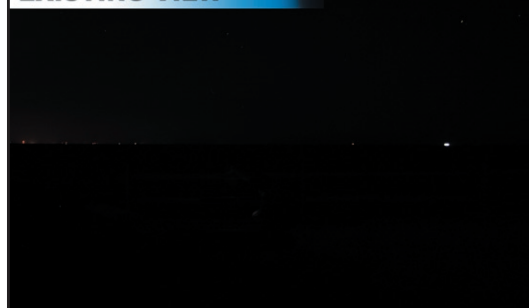
Prepared For:



Simulated Nighttime View



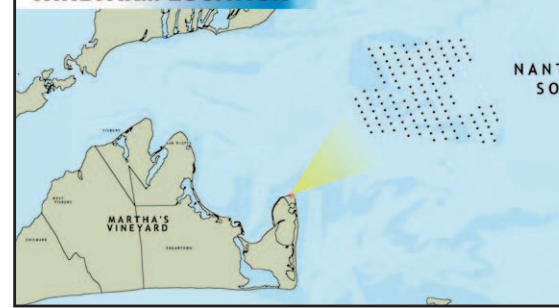
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Cape Poge
Viewpoint #	19
Viewpoint Location	41° 25' 12.64" N 70° 27' 4.57" W
Percentage of Total Turbines Visible	95%
Date Taken	2/5/2003
Time	6:36 PM
Temperature & Visibility	-2° C 28° F Clear
Direction of View	52° East of North
Field Of View	40.64°
Focal Length	48.6mm
Closest Turbine	5.43 miles
Farthest Turbine	12.37 miles
Camera Elevation	56.7'

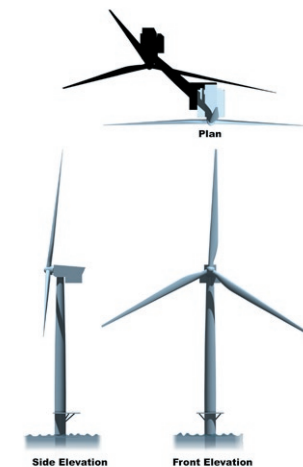
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 19

Cape Poge

Martha's Vineyard

September 2003

Prepared By:



Figure 5.10-4 Sheet 8 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:



Simulated Nighttime View



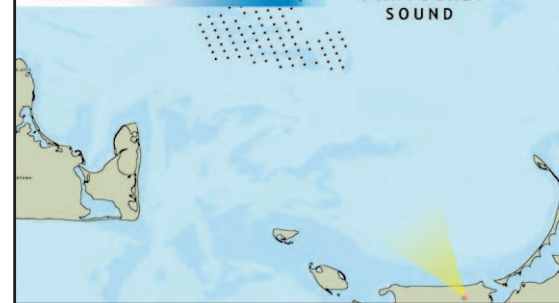
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Town of Nantucket
Viewpoint #	22
Viewpoint Location	41° 46' 58.15" N 70° 52' 17.79" W
Percentage of Total Turbines Visible	100%
Date Taken	5/19/2003
Time	10:43 PM
Temperature & Visibility	In Progress
Direction of View	47° West of North
Field Of View	44°
Focal Length	44.5mm
Closest Turbine	13.6 miles
Farthest Turbine	21.4 miles
Camera Elevation	44.7

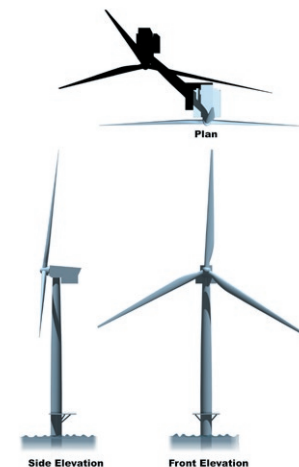
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 22

Nantucket

Nantucket

September 2003

Prepared By:



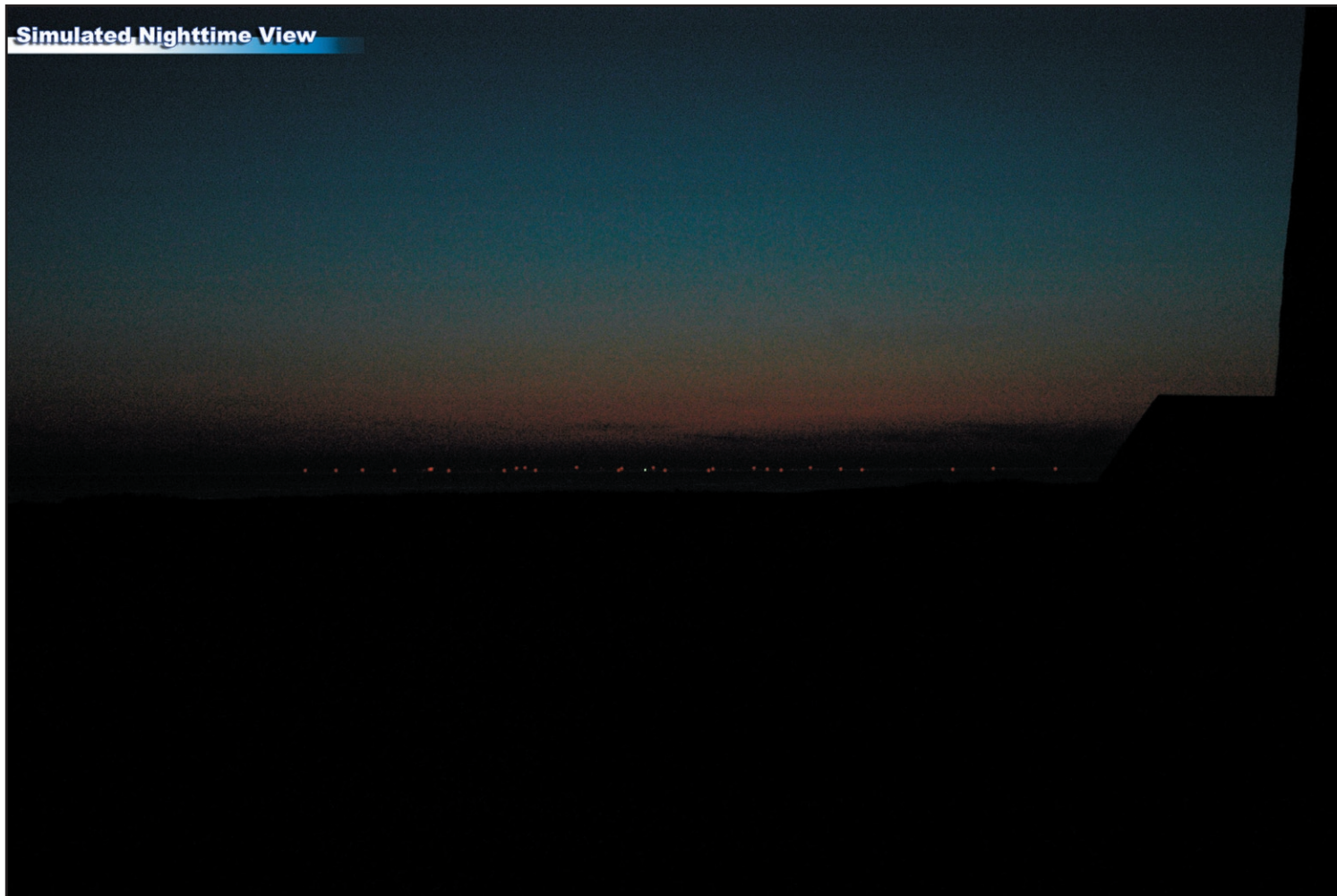
Figure 5.10-4 Sheet 9 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:



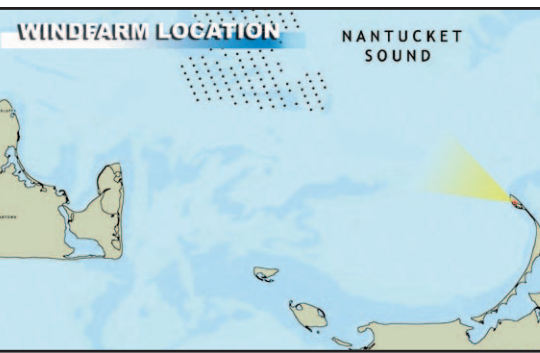
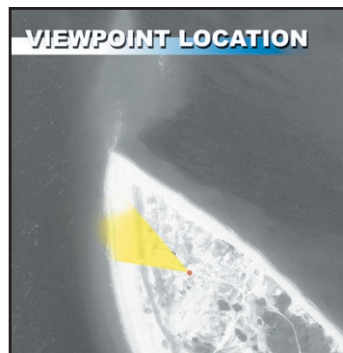
Simulated Nighttime View



EXISTING VIEW



VIEWPOINT LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Great Point
Viewpoint #	23
Viewpoint Location	41° 50' 10.83"N 73° 23' 32.14"W
Percentage of Total Turbines Visible	100%
Date Taken	5/19/2003
Time	7:35 PM
Temperature & Visibility	In Progress
Direction of View	29° North of West
Field Of View	40.723°
Focal Length	46.5mm
Closest Turbine	11.2 miles
Farthest Turbine	19.3 miles
Camera Elevation	16.2'

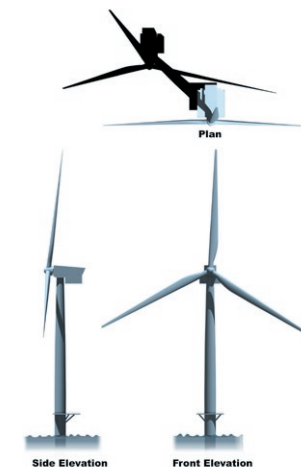
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall further below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Developed in 3Dmax 4.0 software

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864/L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 23

Great Point

Nantucket

September 2003

Prepared By:



Figure 5.10-4 Sheet 10 of 11

Nighttime Visual Simulation of Proposed Wind Park

Prepared For:



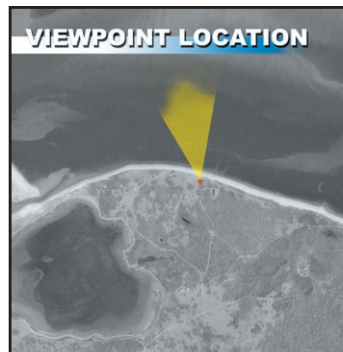
Simulated Nighttime View



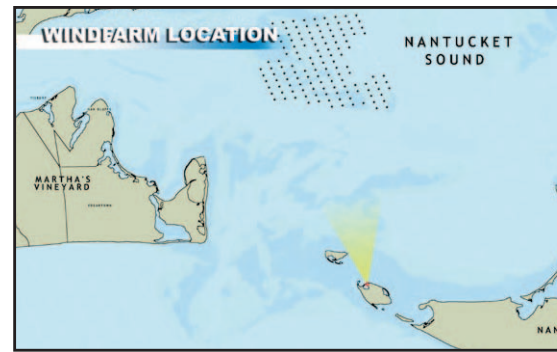
EXISTING VIEW



VIEWPOINT LOCATION



WINDFARM LOCATION



INFORMATION

Viewpoint Specific Data

Viewpoint Name	Tuckernuck Island
Viewpoint #	24
Viewpoint Location	41° 18' 39.41" N 70° 15' 44.85" W
Percentage of Total Turbines Visible	97%
Date Taken	5/20/2003
Time	7:55 PM
Temperature & Visibility	13° C 56° F Overcast
Direction of View	35° West of North
Field Of View	35.051°
Focal Length	52.2 mm
Closest Turbine	10.387 miles
Farthest Turbine	16.4 miles
Camera Elevation	23.95

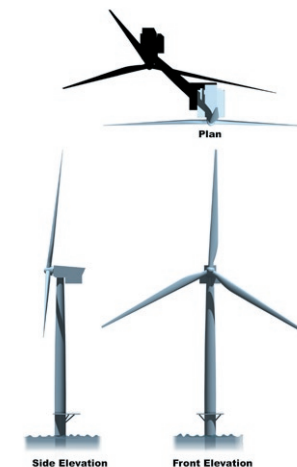
Please note that at distances over 3 miles (for viewers at sea level) the bases of the turbines would fall below the visible horizon due to curvature of the earth. However, refraction could potentially counter the screening effects of the earth's curvature. Therefore, turbines are shown at the visible horizon line in the simulations, which may create minor exaggerations in turbine height.

Displayed in 35mm equivalent

Model Dimensions and Data

Proposed Color of Turbine	Blue Gray (R=77 G=194 B=215)
Height to Hub	240'
Hub Diameter	13.2'
Bounding Dimensions of Nacel (LxWxH)	48' X 40' X 27'
Maximum Width of Tower	10' dia
Minimum Width of Tower	11' dia
Rotor Diameter	341'
Maximum Rotor Blade Width	12'
Maximum Height above Sea Level	417'
Wind Direction	SW
Height of Turbine Platform above Sea Level	30'
Bounding Dim. of ESP (LxWxH)	100' X 200' X 100'
Aviation Warning Lights	FAA L864L865 L819
Coast Guard Warning Lights	Dual Amber USCG Lights

Note: At long exposures, film reacts to light differently than the eye. This photo simulation has been modified to more accurately present lights as they would be perceived by the human eye.



Viewpoint 24

Tuckernuck Island

Nantucket

September 2003

Prepared By:

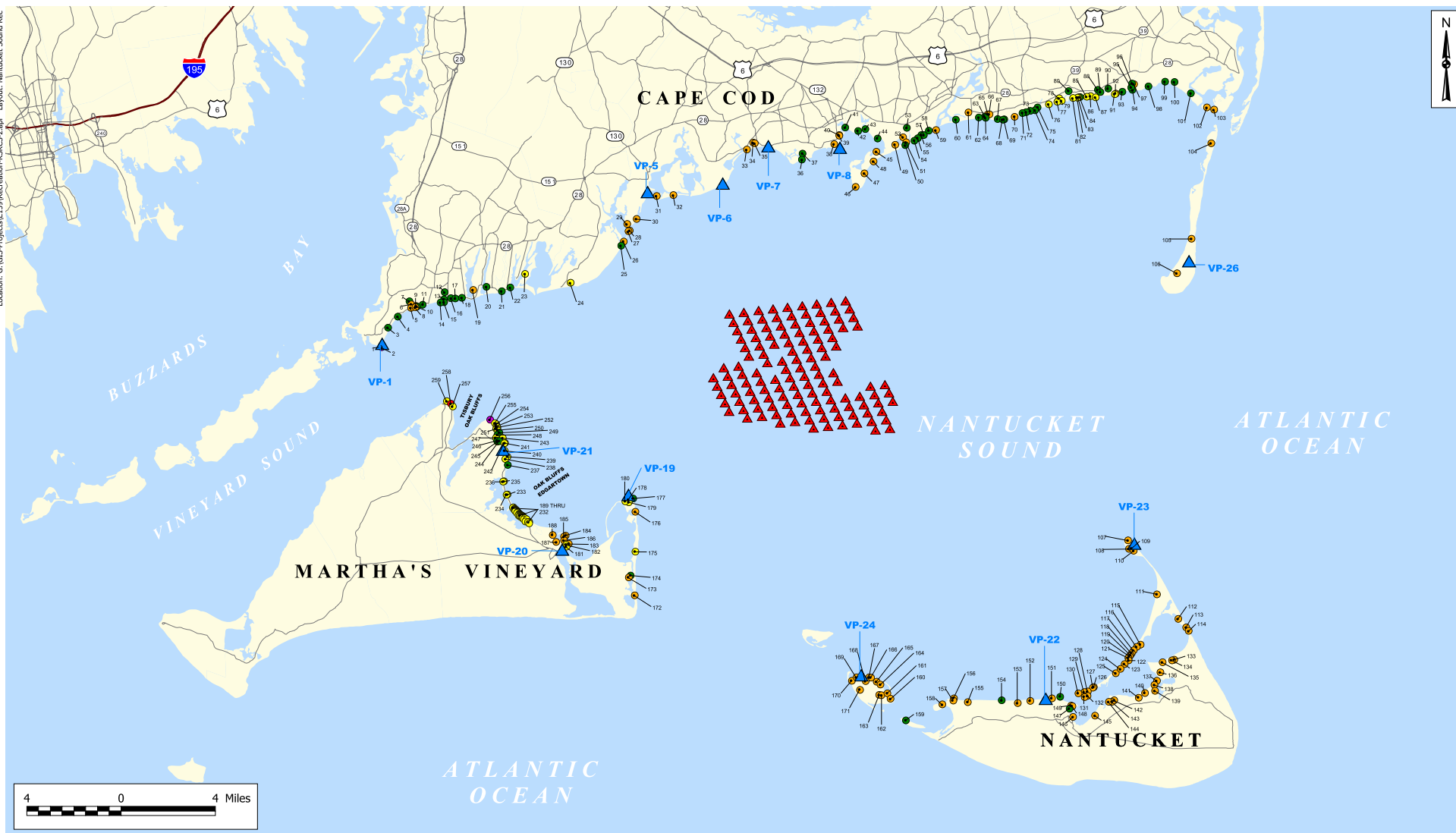


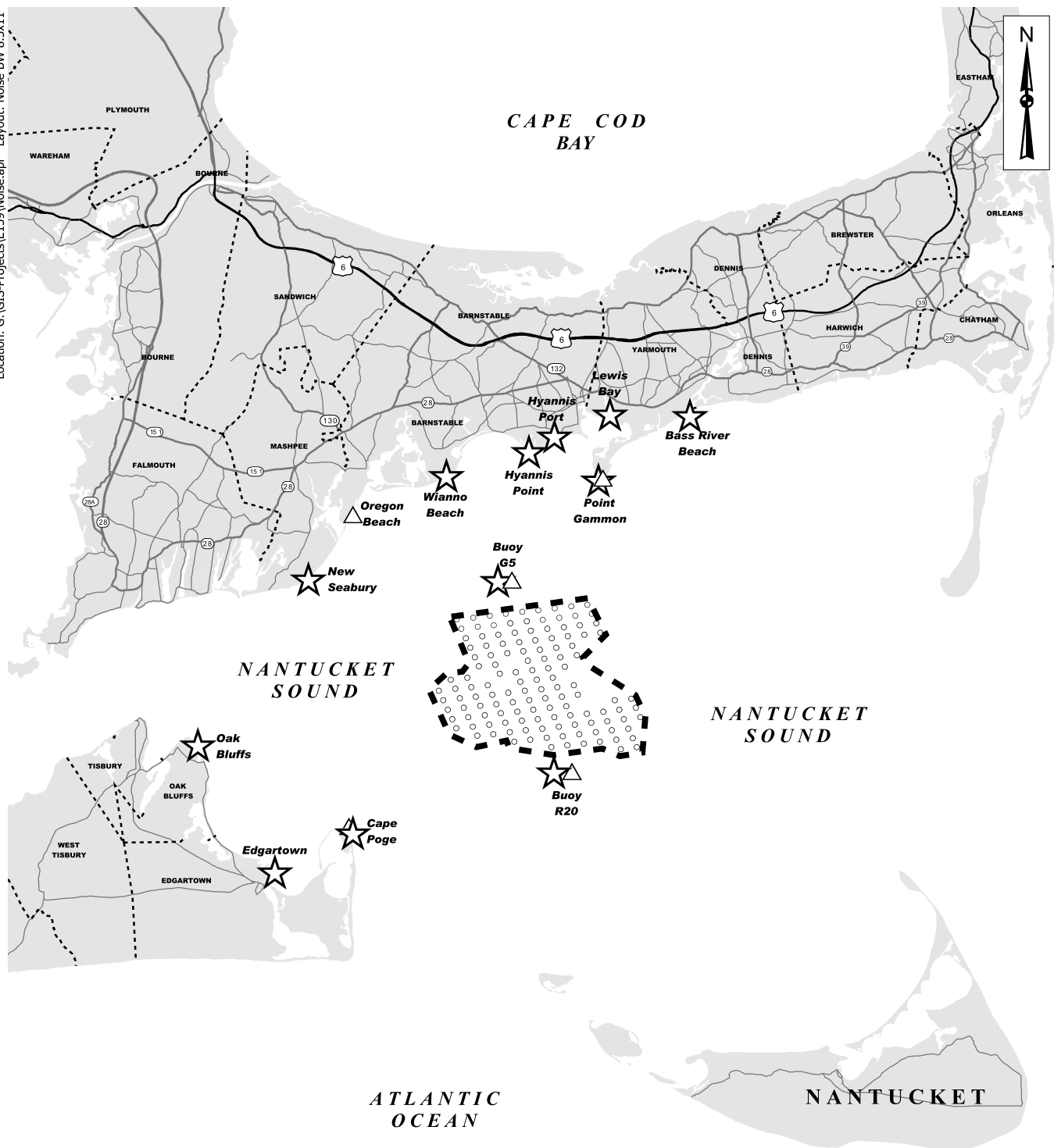
Figure 5.10-4 Sheet 11 of 11

Nighttime Visual Simulation of Proposed Wind Park

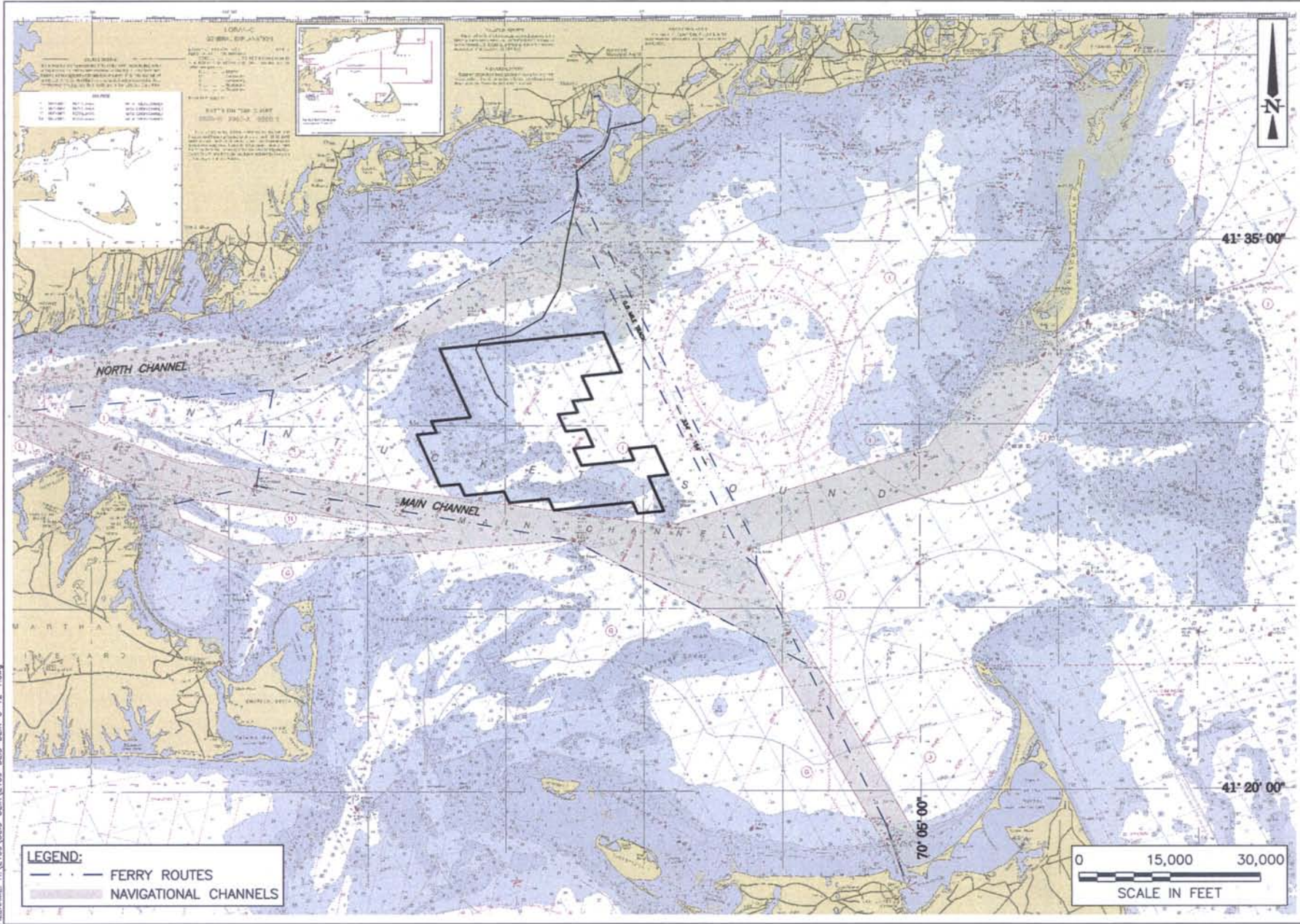
Prepared For:







DATE: Apr. 23, 2004 - 2:58PM
 FILENAME: HY15159-DES-DEVE-5-12-1.dwg



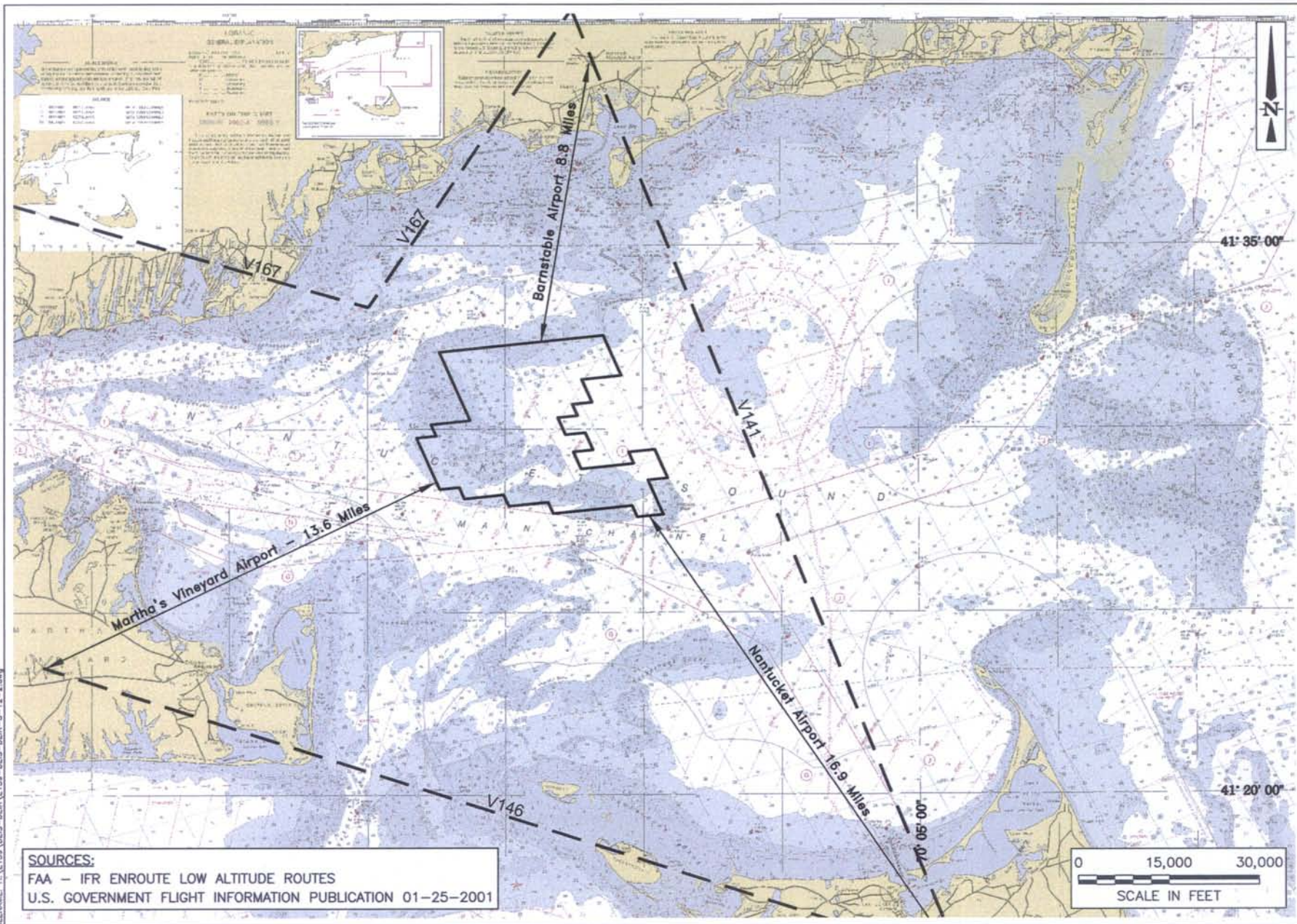
Cape Wind Associates, LLC.
 Cape Wind Project

ESS
 Group Inc.
 Engineers
 Scientists
 Consultants

Channels and Navigational Features - Nantucket Sound
 NOAA Chart# 13237, Nantucket Sound & Approaches

Figure
 5.12-1

DATE: Apr 06, 2004 - 3:18PM
 FILENAME: H:\E159\DEFS-DEFN\E159-DEF5-DEF-5-12-2.dwg

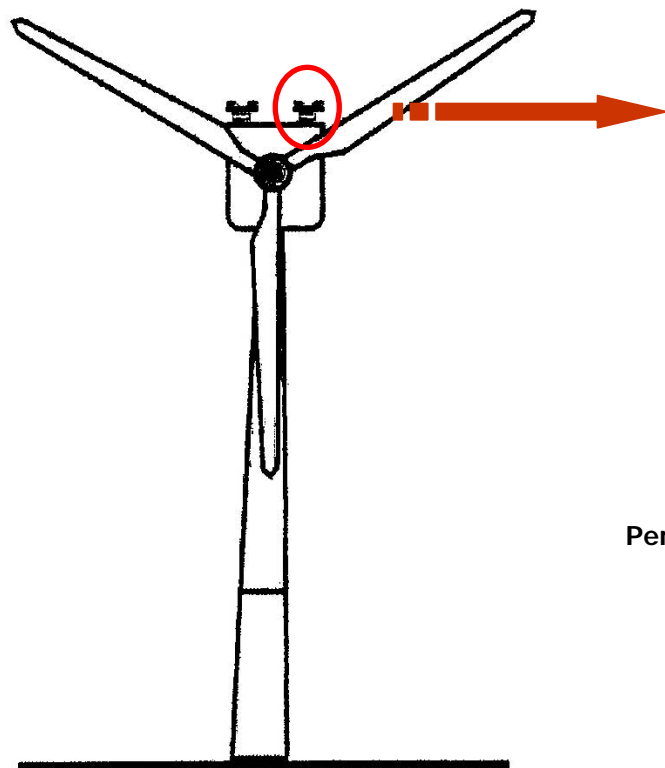


Aeronautical Navigation Features
 NOAA Chart# 13237, Nantucket Sound & Approaches

Cape Wind Associates, LLC.
 Cape Wind Project

ESS
 GROUP INC.
 Engineers
 Scientists
 Consultants





Front View



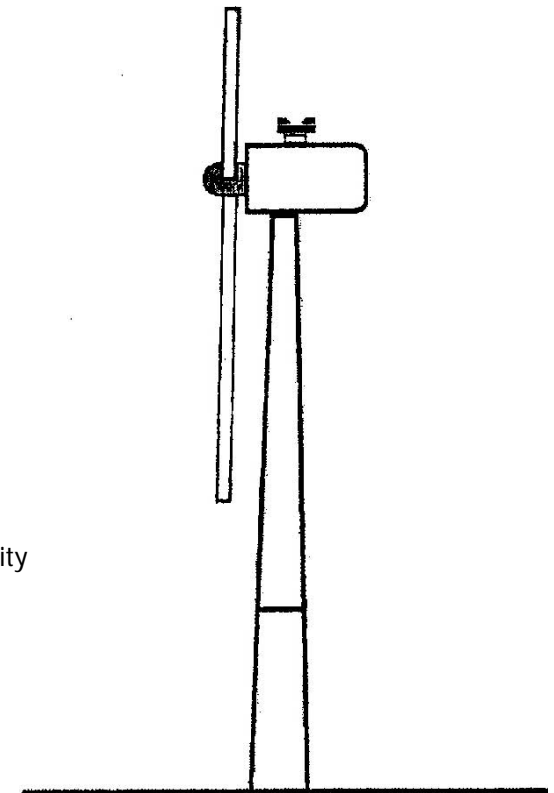
Typical FAA Lighting Fixture

Perimeter WTGs: Variable Medium to Low Intensity

- Red – approx. 2,000 candela

Interior WTGs: Low Intensity

- Red – approx. 32 candela



Side View

J:\NET159\DE